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Website:http://biz.LGservice.com

COLOR MONITOR
SERVICE MANUAL

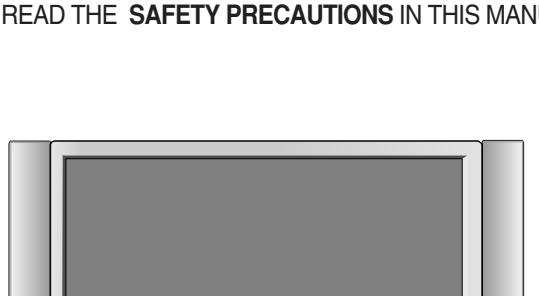
CHASSIS NO. : LM71A

MODEL: FLATRON M4210N (M4210N-B10J.ALLH)**

( ) **Same model for Service

CAUTION

BEFORE SERVICING THE UNIT,
READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.



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SPECIFICATIONS

1. LCD CHARACTERISTICS

Type	: TFT Color LCD Module
Active Display Area	: 42.02inches(1067.308mm) diagonal
Pixel Pitch	: 0.227mm x 0.681m x RGB
Color Depth	: 8-bit, 16,777,216 colors
Electrical Interface	: LVDS
Size	: 1006mm(H) x 610(V)x59(D)mm
Surface Treatment	: Anti-Glare, Hard Coating(3H)
Operating Mode	: Normally Black
Backlight Unit	: 20-CCFL(20 lamps)

2. OPTICAL CHARACTERISTICS

2-1. Viewing Angle by Contrast Ratio ≥ 10

Left : -85° min., -89°(Typ.) Right : +85° min., +89°(Typ.)
Top : +85° min., +89°(Typ.) Bottom : -85° min., -89°(Typ.)

2-2. Luminance : 450cd/m² (min), 500cd/m² (Typ.)

2-3. Contrast Ratio : 600(min), 800(Typ.)

3. SIGNAL (Refer to the Timing Chart)

3-1. PC & Video Input
1)Signal Input : PC Signal
2)Input Form : D-SUB Analog, DVI
3)Resolution(max) : Analog - 1280 x 1024@60Hz
Digital - 1280 x 1024@60Hz
4)Resolution(Recommended) :
: Analog - 1360 x 768@60Hz
Digital - 1360 x 768@60Hz

3-2. Sync Input

Horizontal	: 30 ~ 83kHz(Digital: 30~72kHz)
Vertical	: 56 ~ 75Hz
Input Form	: Separate, TTL, Positive/Negative Digital

4. POWER SUPPLY

4-1. Power Adaptor
Input : AC 100~240V, 50/60Hz, 2.7A

4-2. Power Consumption

MODE	H/V SYNC	VIDEO	POWER CONSUMPTION	LED COLOR
POWER ON (NORMAL)	ON/ON	ACTIVE	less than 270W-With PC less than 240W-Only MNT	BLUE
STAND-BY	OFF/ON	OFF	less than 15W-Only MNT	AMBER
SUSPEND	ON/OFF	OFF	less than 15W-Only MNT	AMBER
DPMS OFF	OFF/OFF	OFF	less than 15W-Only MNT	AMBER
POWER OFF	OFF/OFF	OFF	less than 5W	OFF

5. ENVIRONMENT

5-1. Operating Temperature : 10°C~35°C
5-2. Operating Humidity : 10%~80%
5-3. MTBF : 50,000 HRS with 90% Confidence level
Lamp Life : 50,000 Hours (min)

6. DIMENSIONS

Width	: 1057mm (41.61")
Depth	: 119.1 mm (4.69")
Height	: 653 mm (25.71")

7. WEIGHT

Net. Weight	: 27.6 kg (60.86 lbs)
Gross Weight	: 34.1 kg (75.19 lbs)

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PRECAUTION

WARNING FOR THE SAFETY-RELATED COMPONENT.

- There are some special components used in LCD monitor that are important for safety. ***These parts are marked ⚠on the schematic diagram and the replacement parts list.*** It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent electric shock, fire or other hazard.
- Do not modify original design without obtaining written permission from manufacturer or you will void the original parts and labor guarantee.

TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- The module not be exposed to the direct sunlight.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a softmaterial. (Cleaning with a dirty or rough cloth may damage the panel.)

⚠ CAUTION

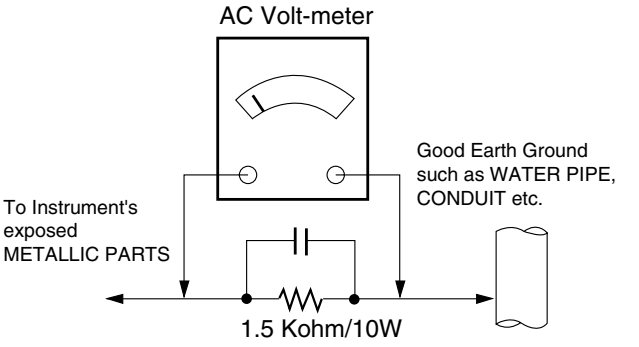
Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

⚠ WARNING

BE CAREFUL ELECTRIC SHOCK !

- If you want to replace with the new backlight (CCFL) or inverter circuit, must disconnect the AC adapter because high voltage appears at inverter circuit about 650Vrms.
- Handle with care wires or connectors of the inverter circuit. If the wires are pressed cause short and may burn or take fire.

Leakage Current Hot Check Circuit



- **Replaceable batteries**

① CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

② ADVARSEL
Lithiumbatterí - Eksplosionsfare ved fejlagtig håndtening.
Udskiftning má kun ske med batteri at samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

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SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the ***SAFETY PRECAUTIONS*** on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
      CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
   d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.
   Do not test high voltage by "drawing an arc".
3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemicals on or near this receiver or any of its assemblies.
5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   CAUTION: This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
6. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
9. *Use with this receiver only the test fixtures specified in this service manual.*
   CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices.* Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

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General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500°F to 600°F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle.
   Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature.
      (500°F to 600°F)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500°F to 600°F)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
      CAUTION: Work quickly to avoid overheating the circuit board printed foil.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
   CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

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Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife.
   Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.
   Carefully crimp and solder the connections.
   CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

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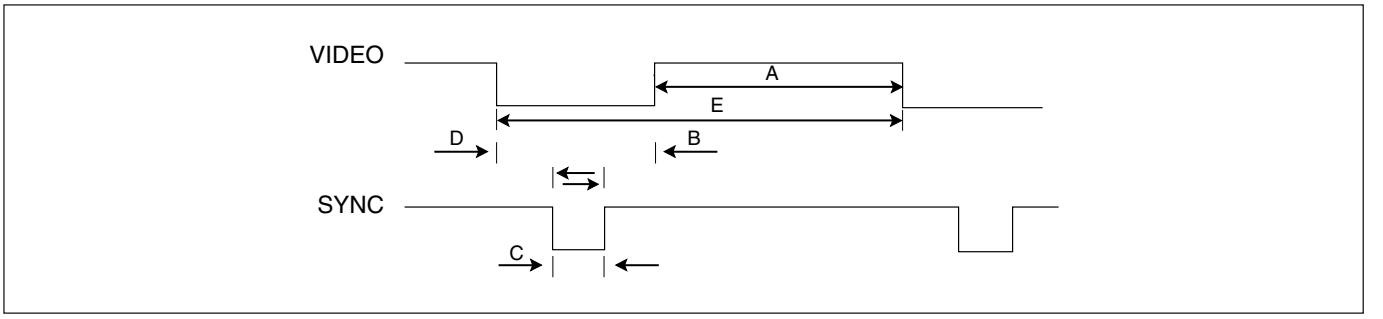
TIMING CHART



<< Dot Clock **(MHz),** Horizontal Frequency **(kHz)**, Vertical Frequency **(Hz)**, Horizontal etc... **(μs)**, Vertical etc... **(ms) >>**

MODE	H / V	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Sync Duration (D)	Front Porch (C)	Blanking Time (B)	Resolution
1	H(Pixels)	+	25.175	31.469	800	640	16	96	48	640 x 350
	V(Lines)	-		70.8	449	350	37	2	60	
2	H(Pixels)	-	28.321	31.468	900	720	18	108	54	720 X 400
	V(Lines)	+		70.8	449	400	12	2	35	
3	H(Pixels)	-	25.175	31.469	800	640	16	96	48	640 x 480
	V(Lines)	-		59.94	525	480	10	2	33	
4	H(Pixels)	-	31.5	37.5	840	640	16	64	120	640 x 480
	V(Lines)	-		75	500	480	1	3	16	
5	H(Pixels)	+	40.0	37.879	1056	800	40	128	88	800 x 600
	V(Lines)	+		60.317	628	600	1	4	23	
6	H(Pixels)	+	49.5	46.875	1056	800	16	80	160	800 x 600
	V(Lines)	+		75.0	625	600	1	3	21	
7	H(Pixels)	+/-	57.283	49.725	1152	832	32	64	224	832 x 624
	V(Lines)	+/-		74.55	667	624	1	3	39	
8	H(Pixels)	-	65.0	48.363	1344	1024	24	136	160	1024 x 768
	V(Lines)	-		60.0	806	768	3	6	29	
9	H(Pixels)	-	78.75	60.123	1312	1024	16	96	176	1024 x 768
	V(Lines)	-		75.029	800	768	1	3	28	
10	H(Pixels)	+	74.5	44.772	1664	1280	64	128	192	1280 x 720
	V(Lines)	+		59.855	748	720	3	5	20	
11	H(Pixels)	+	84.75	47.72	1776	1360	72	136	208	1360 x 768
	V(Lines)	+		59.799	798	768	3	5	22	
12	H(Pixels)	+	108.0	63.981	1688	1280	48	112	248	1280 x 1024
	V(Lines)	+		60.02	1066	1024	1	3	38	

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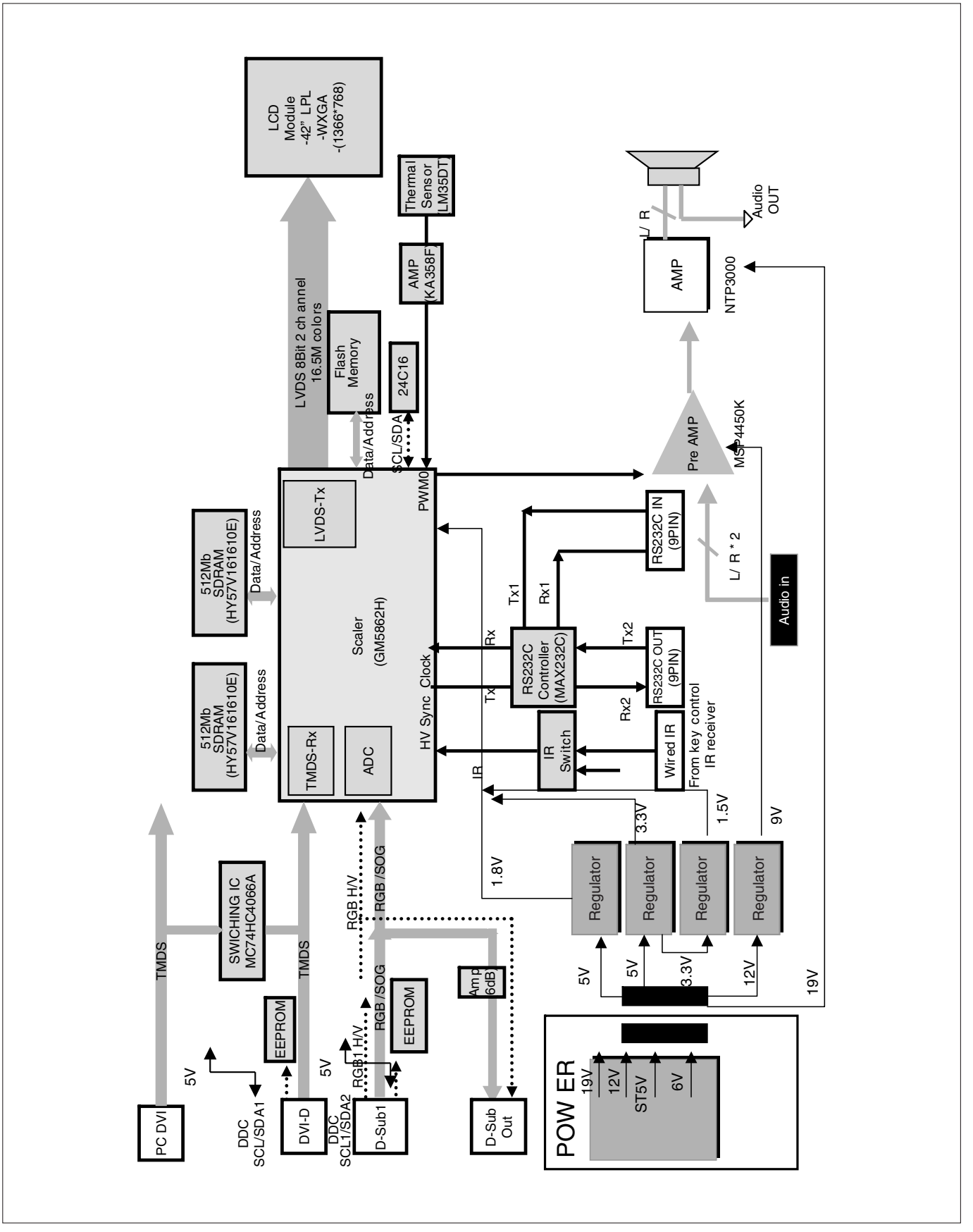
BLOCK DIAGRAM(GM5862H)



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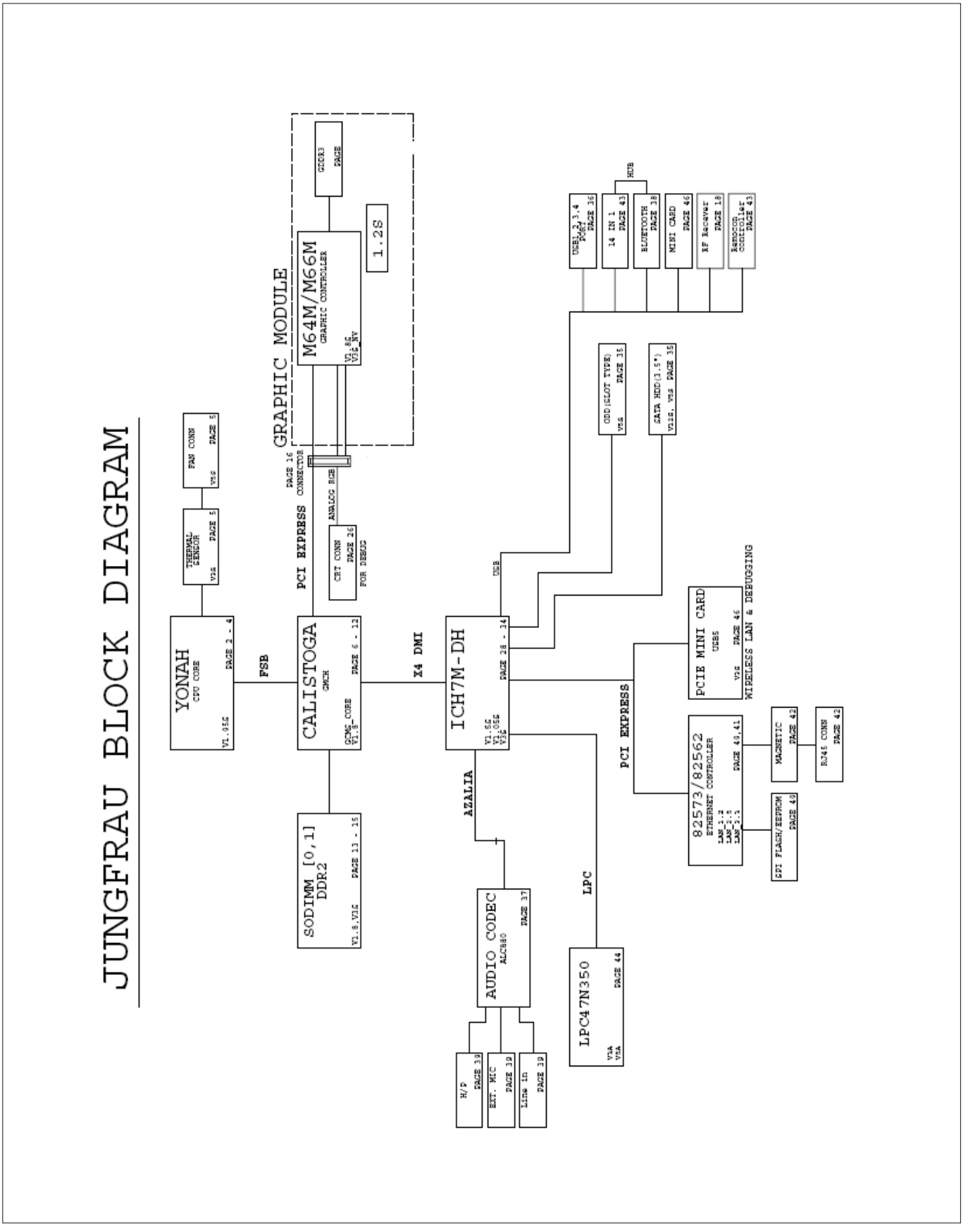
JUNGFRAU BLOCK DIAGRAM



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DESCRIPTION OF BLOCK DIAGRAM(LV-671)-MOTHER BOARD

Panel Info	LC420WX5-SLB1
Size	983.0 X 576.0 X 51.0mm
Resolution	WXGA 1366 * 768
Number of Color	16.7M
Luminance	500 cd/ (Target)
Contrast	800 : 1
Response Time	T.B.D [9ms(G to G)]
Type	S-IPS
Scaler Chip	GM5862H(OAK2)
Audio out	SPEAKER out
Analog output	Out 1
Input Interface	
<PC Interface>	DVI 1
Pull in Range (Analog)	30-83khz / 56-75 Hz
Pull in Range (Digital)	30-72khz / 56-75 Hz
Input signal (Analog)	D-sub 1
Input signal (Digital)	DVI-D X 1/PC DVI X 1-PC built in
Audio input	PC input / Monitor input

Model	M4210N	
	Basic	Powerful
CPU	Celeron M 430 (1.86G)	T7400. Merom (2.0G)
Main Chipset	Calistoga 945GM	Calistoga 945PM
	ICH7-M	ICH7-M
Memory	DDR II 667 512MB	DDR II 667 512MB
Video chip	Integrated 945GME	ATI M64-M(X1400 or higher)
Video RAM	Shared memory	512MB (16MX32 4EA)
Ethernet	10/100 MB / 1Gbit	
HDD (PC)	P-ATA 2.5"	
	80GB	
	2-HDD for Raid-0(or 1)	
Interface	-RGB-out, Audio Line Out, SPDIF	
	-USB 2.0 x 4, RJ45, RS-232C x 2	
Wireless LAN	802 11A/B/G compatiable	
OS	Open	

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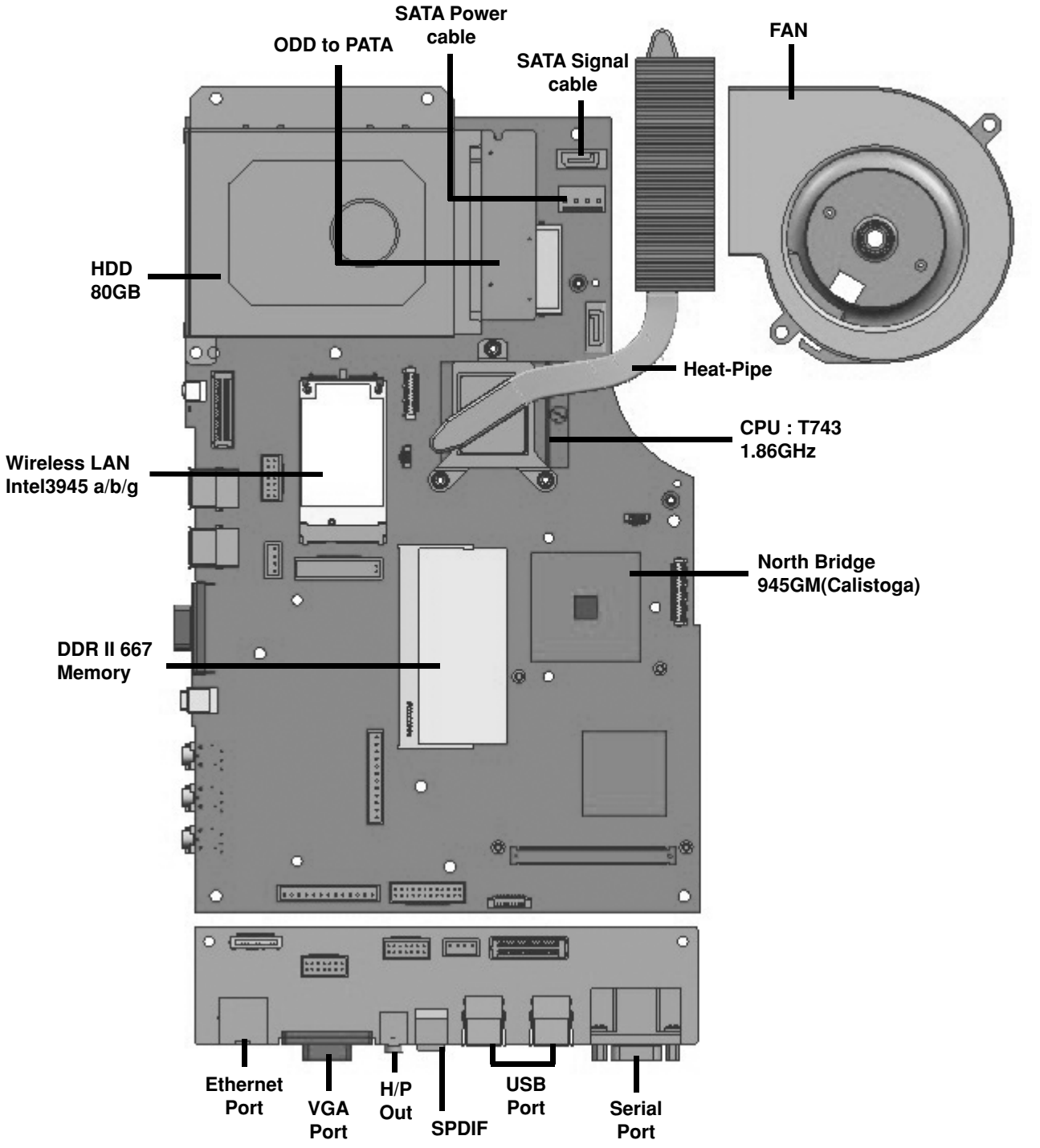

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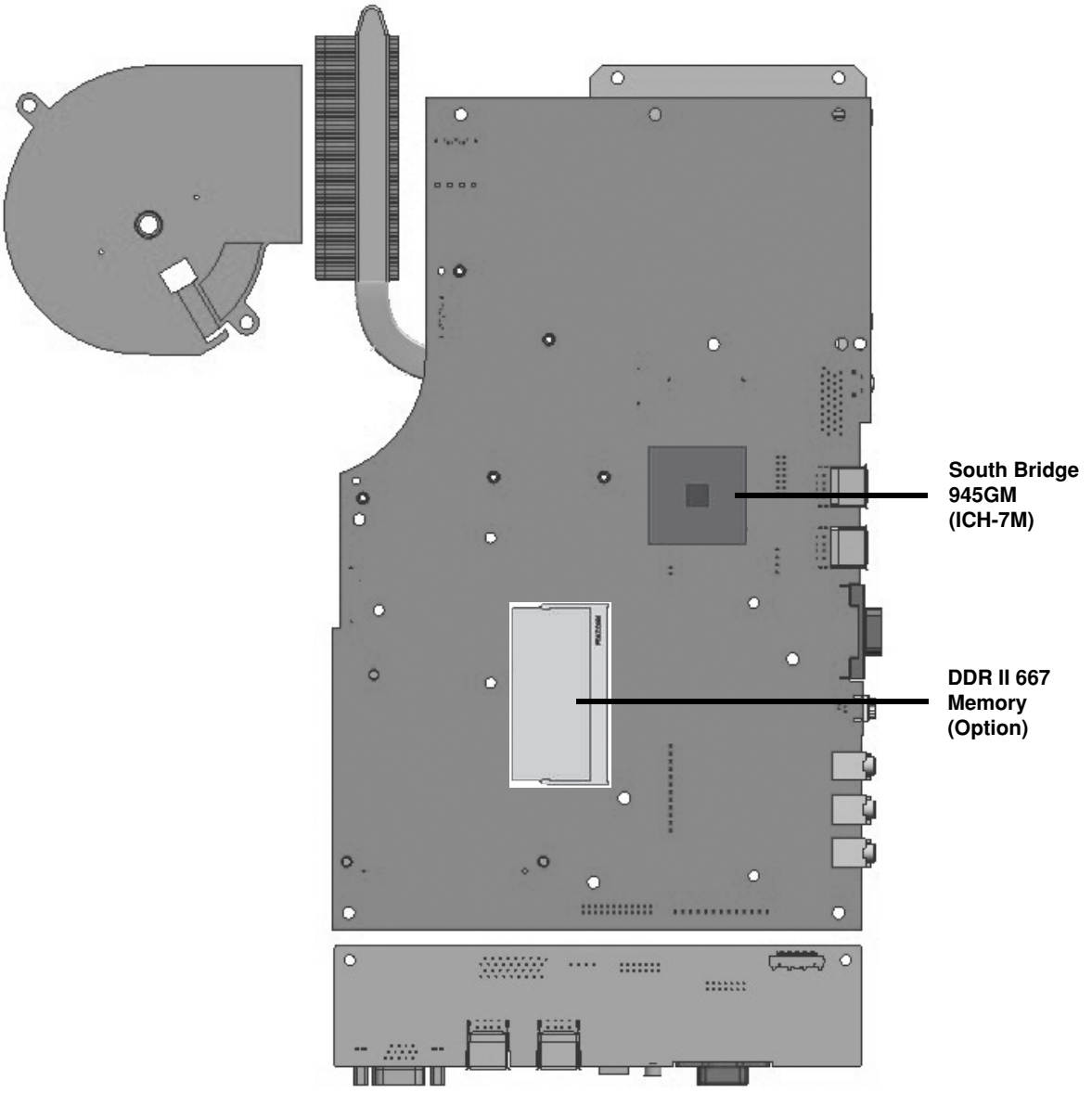

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ADJUSTMENT

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several minor adjustment may be required.
Adjustment should be following procedure and after warming up for a minimum of 30 minutes.

• Alignment appliances and tools.
- IBM compatible PC
- Programmable Signal Generator.
  (eg. VG-819 made by Astrodesign Co.)
- Oscilloscope.
- White Balance Meter. (CA-110)

1. DDC Data Write Procedure-Analog

1) Use this procedure only when there is some problem on Analog EDID data.
2) Run alignment program for M4200N on the IBM compatible PC.
3) Select EEPROM → Analog EDID write command and Enter.
4) This will write the Analog EDID data to EEPROM.

2. DDC Data Write Procedure-Digital

1) Use this procedure only when there is some problem on Digital EDID data.
2) Run alignment program for M4200N on the IBM compatible PC.
3) Select EEPROM → Digital EDID write command and Enter.
4) This will write the Digital EDID data to EEPROM.

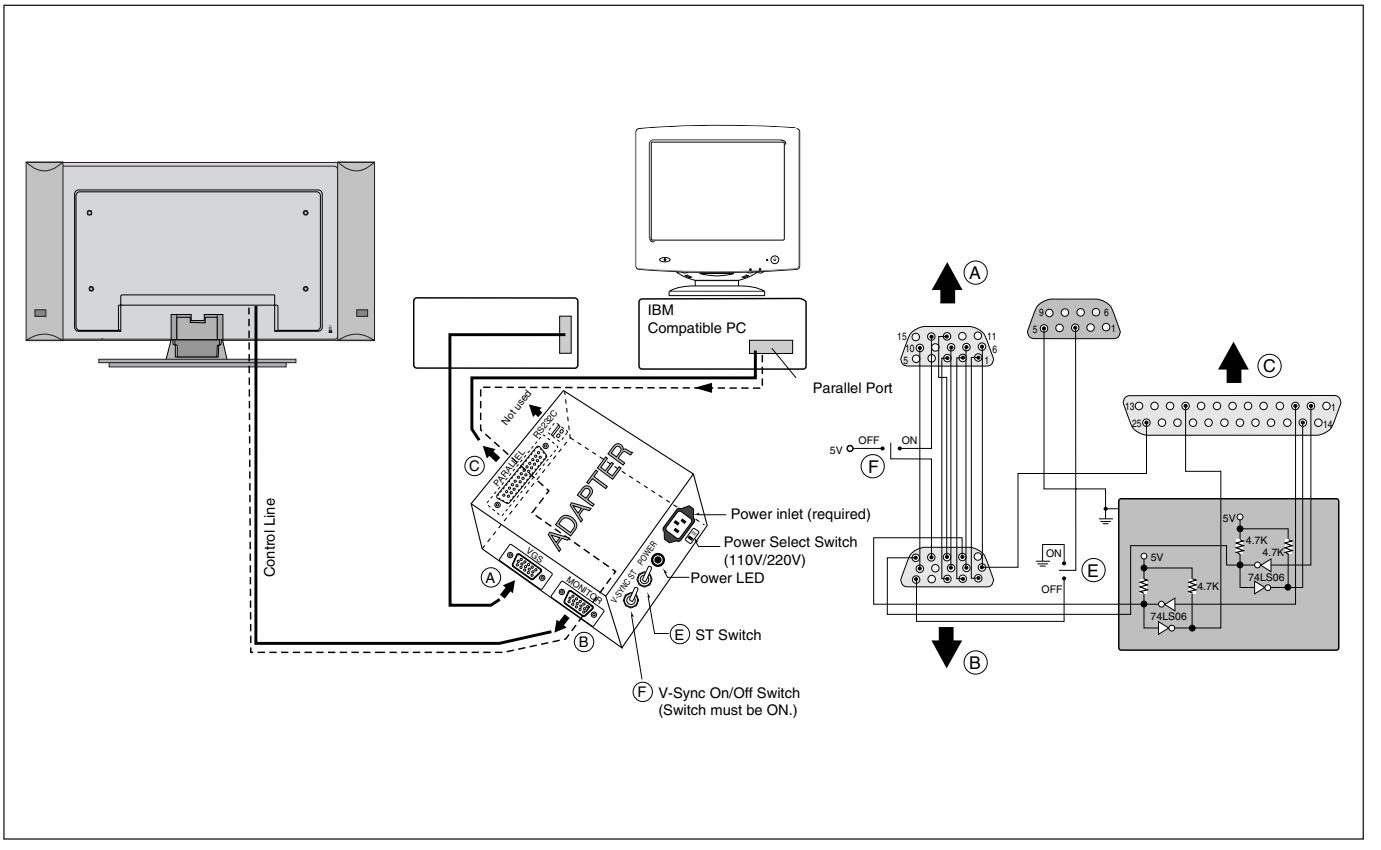

Figure 1. Cable Connection

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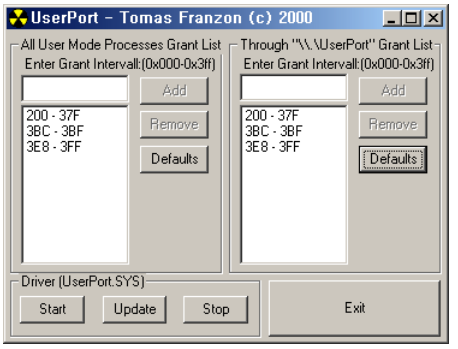
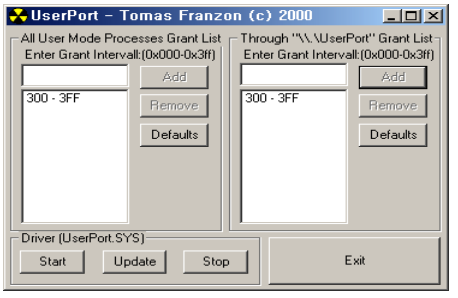
Windows EDID V1.0 User Manual

Operating System: MS Windows 98, 2000, XP
Port Setup: Windows 98 => Don't need setup
Windows 2000, XP => Need to Port Setup.
This program is available to LCD Monitor only.

1. Port Setup
   a) Copy "UserPort.sys" file to
   "c:\WINNT\system32\drivers" folder
   b) Run Userport.exe

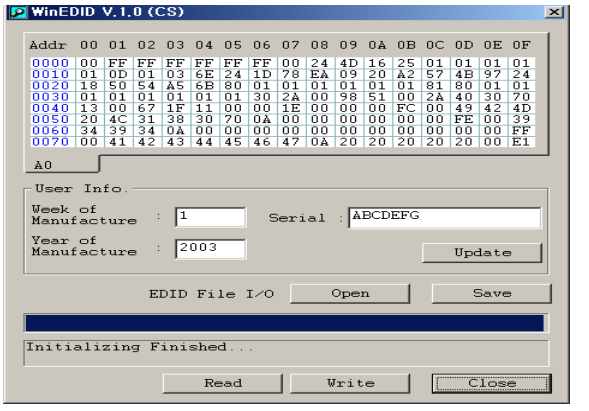


   c) Remove all default number
   d) Add 300-3FF

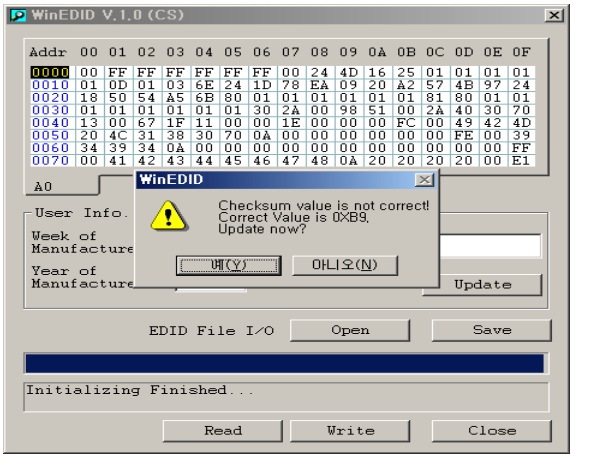


   e) Click Start button.
   f) Click Exit button.

2. EDID Read & Write
   1) Run WinEDID.exe



   2) Edit Week of Manufacture, Year of Manufacture, Serial Number
      a) Input User Info Data
      b) Click "Update" button
      c) Click " Write" button



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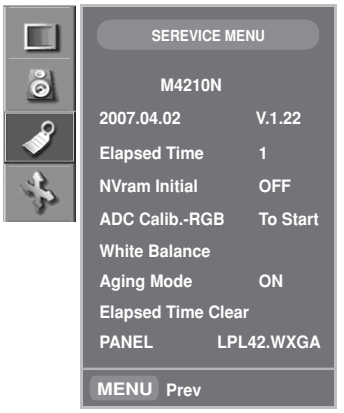
SERVICE OSD



■ **Engaging the `in-start' key of the remote control lets you into the Service Menu**

■ **Description of operation**

- **Nvram Initial :** NVRAM reset
- **ADC Calib-RGB :** Put the RGB ADC Calibration.(Master 1360x768@60Hz the used the 28 pattern)
- **White Balance :** Adjusts the white balance
- **Aging Mode :** Sets the aging mode
- **Elapsed Time Clear :** Time used for back light
- **PANEL :** Panel data

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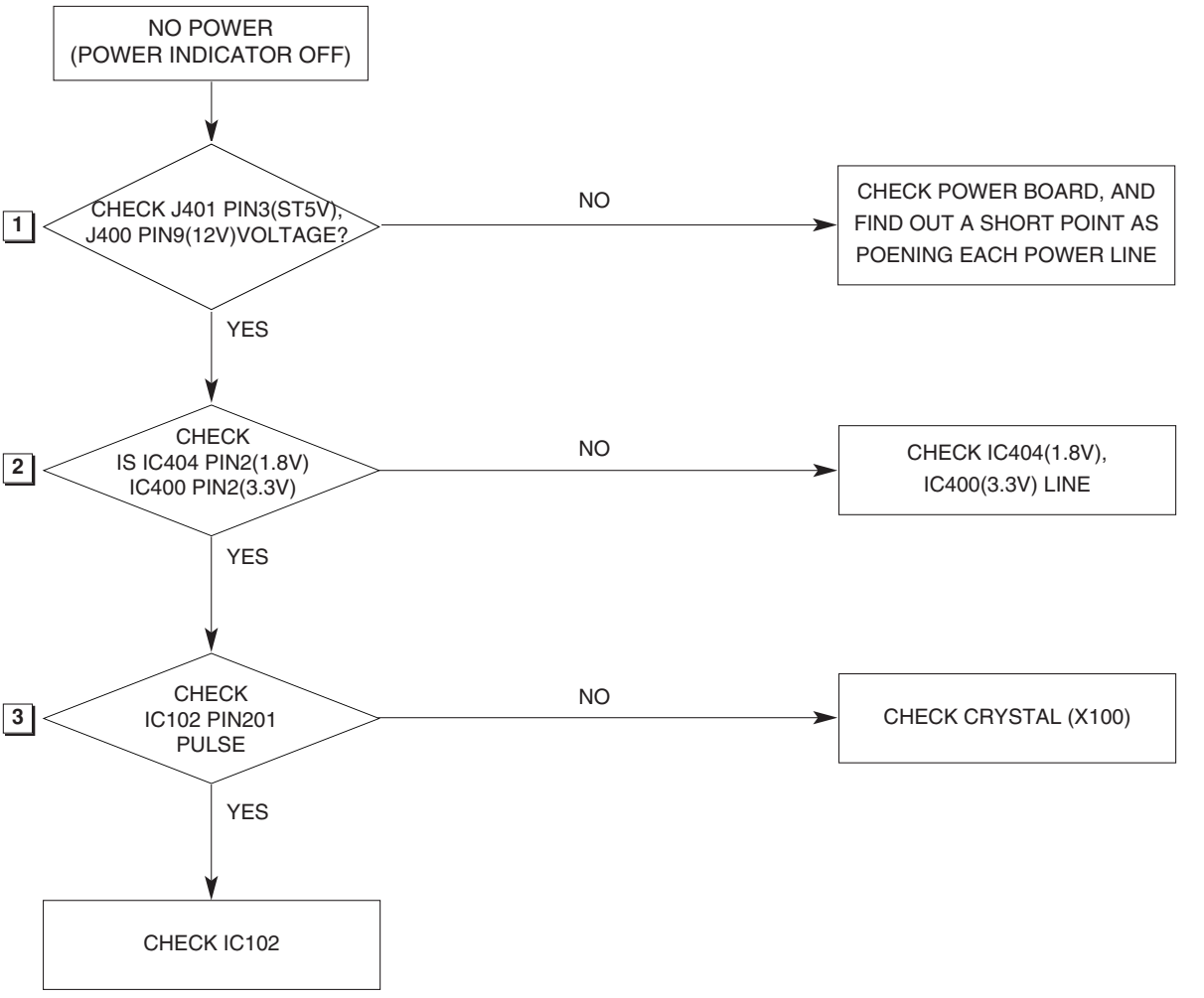
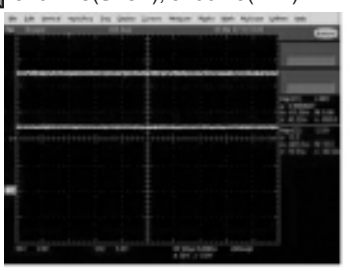
TROUBLESHOOTING GUIDE

1. NO POWER

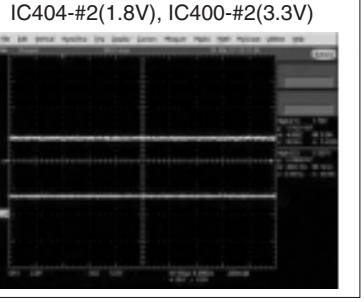


Waveforms

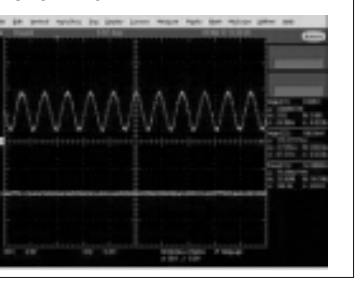
1 J401-#3(ST5V), J400 #9(12V)



2 IC404-#2(1.8V), IC400-#2(3.3V)



3 IC102-#201



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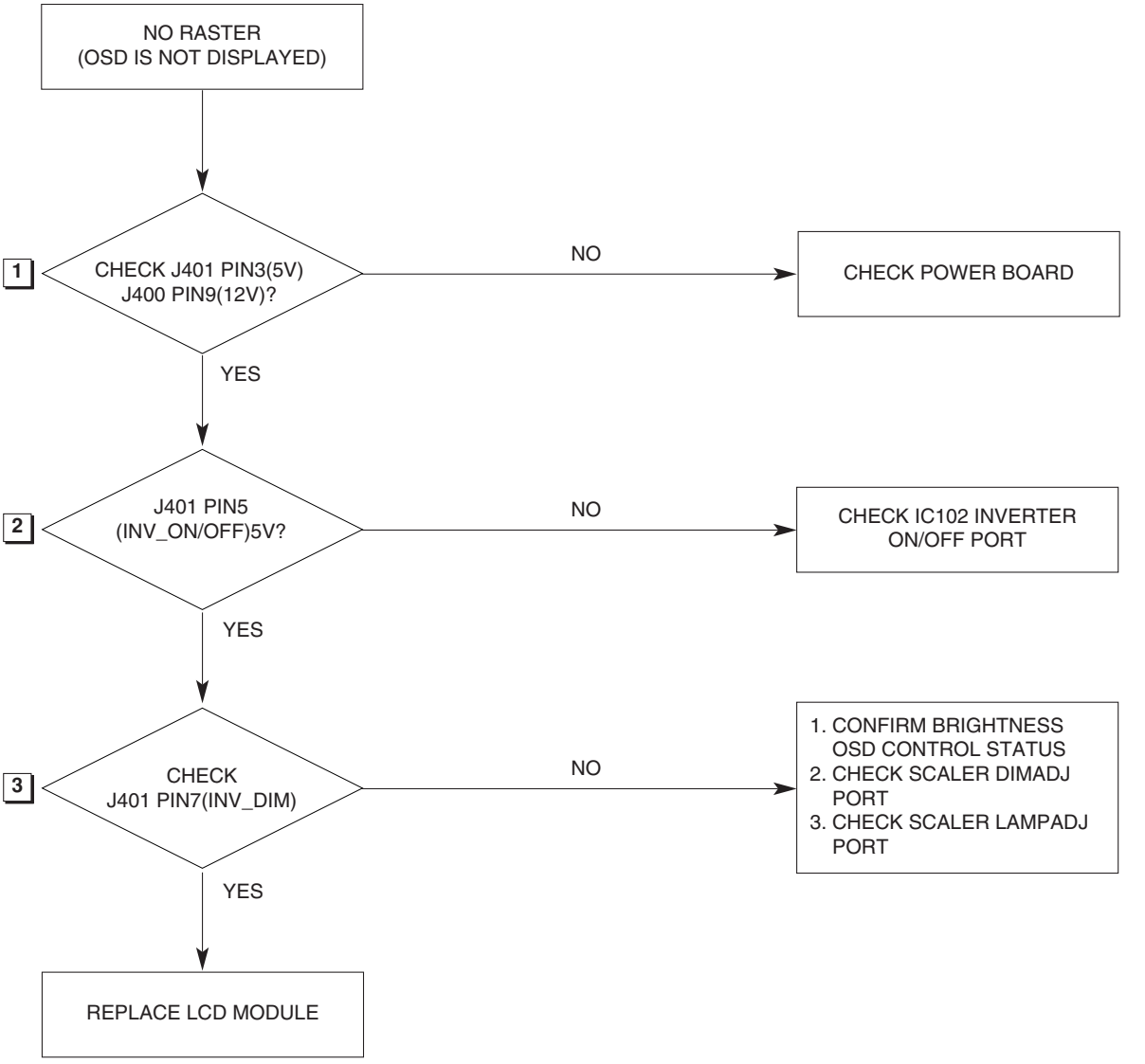
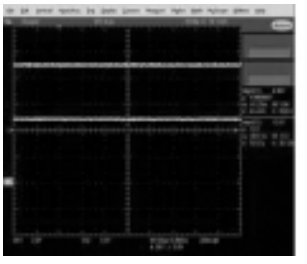
2. NO RASTER(OSD IS NOT DISPLAYED)-LIPS

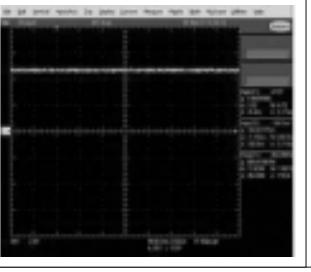


Waveforms

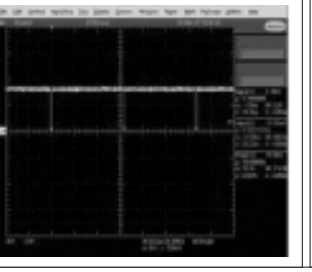
1 J401-#3(5V), J400 #9(12V)



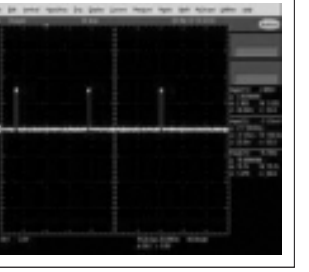
2 J401-#5(5V)



3 J401-#7(INV_DIM) Brightness 100



3 J401-#7(INV_DIM) Brightness 0



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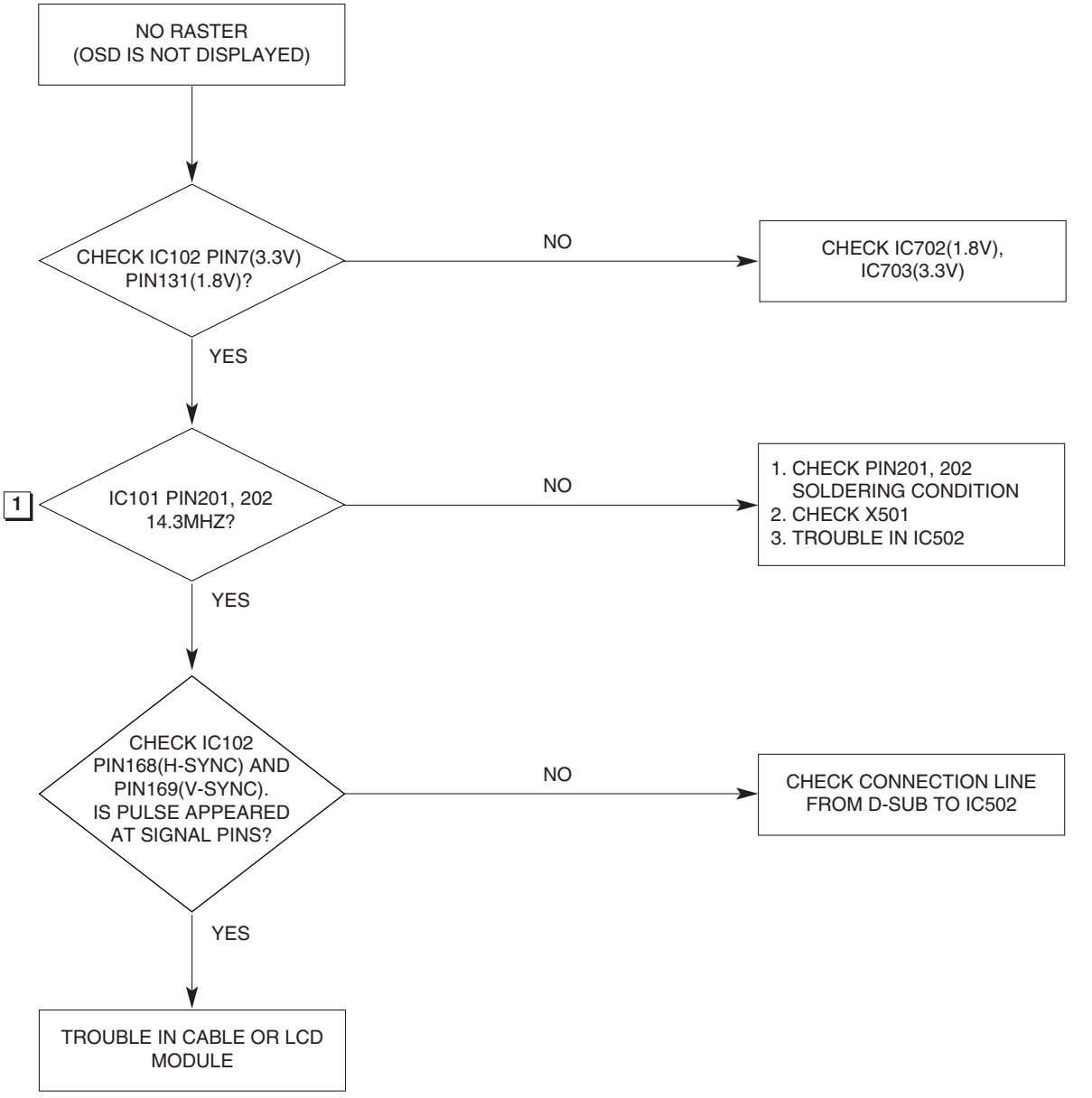
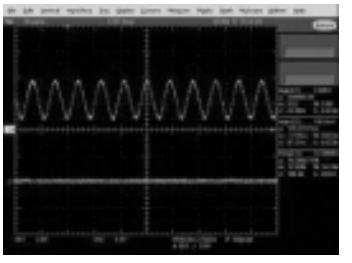
3. NO RASTER(OSD IS NOT DISPLAYED)-MAIN



Waveforms

1 IC102-#201



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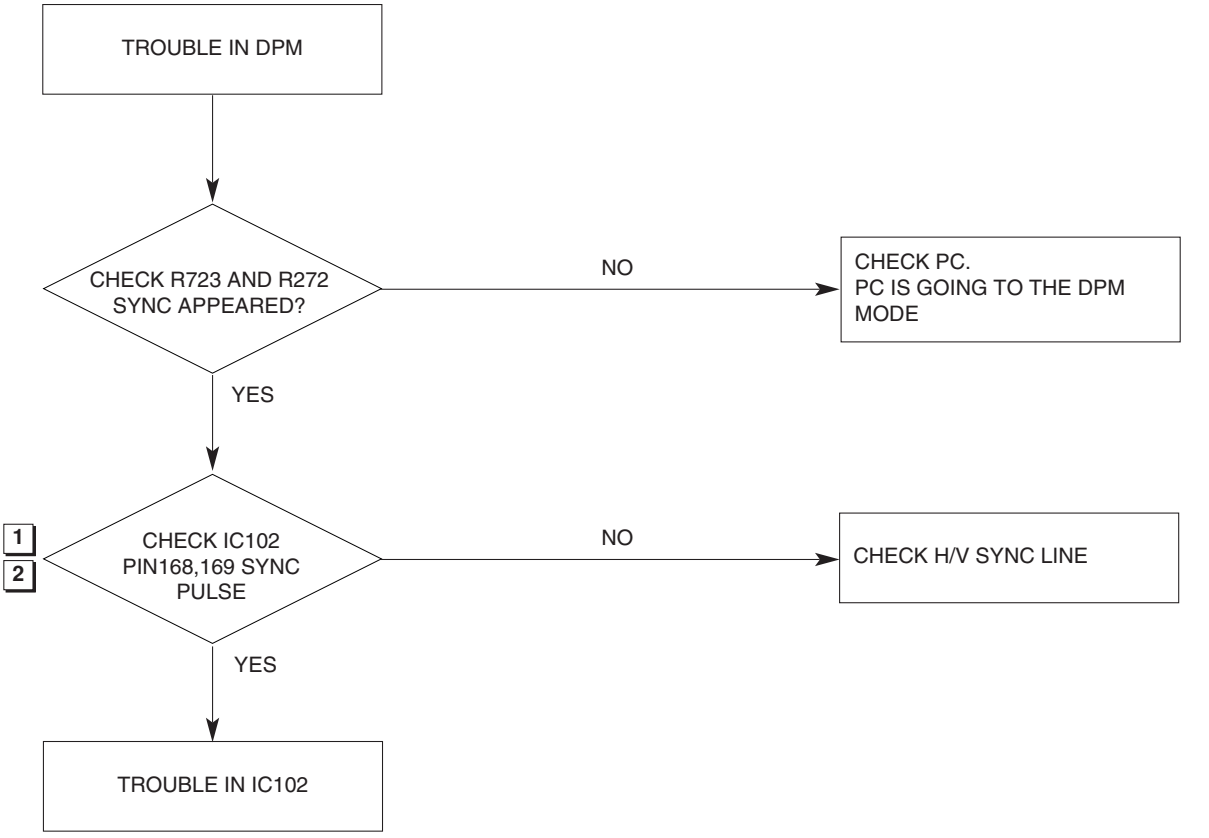
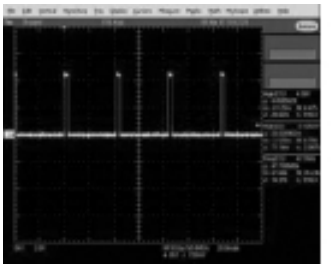
4. TROUBLE IN DPM



Waveforms

1 H-SYNC



2 V-SYNC

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5. PC

1. No power to the system at all. Power light does not illuminate, fan inside power supply does not turn on. Indicator light on keyboard does not turn on.

Power cable is unplugged	Visually in spect power cable	Make sure power cable is securely plugged in.
Defective power cable	Visually in spect the cable; try another cable	Replace cable
Power supply failure	Power cable and wall socket are OK, but system is still dead.	Contact technical support
Faulty wall outlet; circuit breaker or fuse blown	Plug in device known to work in socket and test	Use different socket repair outlet, reset circuit breaker or replace fuse

2. System inoperative. Keyboard lights are on, power indicator lights are lit, hard drive is spinning.

Memory DIMM is partially dislodged from the slot on the motherboard	Turn off computer. Take cover off system unit. Check the DIMM to ensure it is securely seated in the slot	Using even pressure on both ends of the DIMM, press down firmly until the module enaps into place

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3. System does not boot from hard disk drive, can be booted from CD-ROM drive.

Connector between hard drive and system board unplugged	When attempting to run the FDISK utility you get a message, INVALID DRIVE SPECIFICATION	Check cable running from disk to disk controller board. Make sure both ends are securely plugged in; check the drive type in the standard CMOS setup.
Damaged hard disk or disk controller	Format hard disk; if unable to do so the hard disk may be defective	Contact technical support
Hard disk directory or FAT is scrambled	Run the FDISK program, format the hard dirve. Copy data that was backed up onto hard drive	Backing up the hard drive is extremely important. All hard disks are capable of breaking down at any time

4. System only boots from CD-ROM. Hard disk can be read and applications can be used but booting from hard disk is impossible.

Hard Disk boot program has been destroyed	A number of causes could be behind this	Back up data and applications files. Reformat the hard drive. Re-install applications and data using backup disks

5. Error message reading "SECTOR NOT FOUND" or other error messages not allowing certain data to be retrieved.

A number of causes could be behind this	Use a file by file backup instead of an image backup to backup the hard disk	Back up any salvageable data. Then low level format, partition, and high level format the hard drive. Re-install all saved data when completed

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6. Screen message says "Invalid Configuration" or "CMOS Failure"

Incorrect information entered into the configuration (setup) program	→ Check the configuration program. Replace any incorrect information	→ Review system's equipment. Make sure correct information is in setup

7. Screen is blank.

No power to monitor	→ Check the power connectors to monitor and to system. Make sure monitor is connected to display card
Monitor not connected to computer	→ See instructions above

8. No Screen.

Memory problem	→ Reboot computer. Reinstall memory, make sure that all memory modules are installed in correct sockets
Computer virus	→ Use anti-virus programs to detest and clean viruses

9. Screen goes blank periodically.

Screen saver is enabled	→ Disable screen saver

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10. Keyboard failure.

Keyboard is disconnected	Reconnect keyboard. Check keys again, if no improvement replace keyboard

11. No color on screen.

Faulty Monitor	If possible, connect monitor to another system. If no color replace monitor
CMOS incorrectly set up	Call technical support

12. C: drive failure.

Hard drive cable not connected properly	Check hard drive cable

13. Cannot boot system after installing second hard drive.

Master/slave jumpers not set correctly	Set master/slave jumpers correctly
Hard drives not compatible / different manufacturers	Run SETUP program and select correct drive types. Call drive manufacturers for compatibility with other drives

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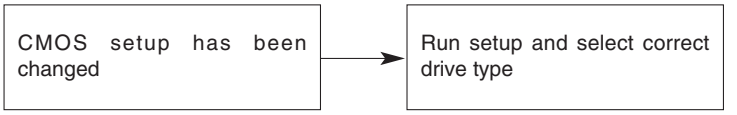
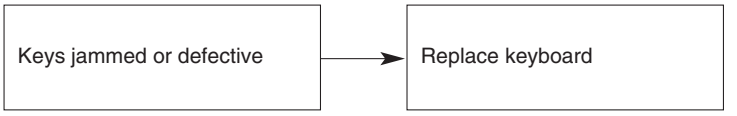
14. Missing operating system on hard drive



15. Cartain keys do not function



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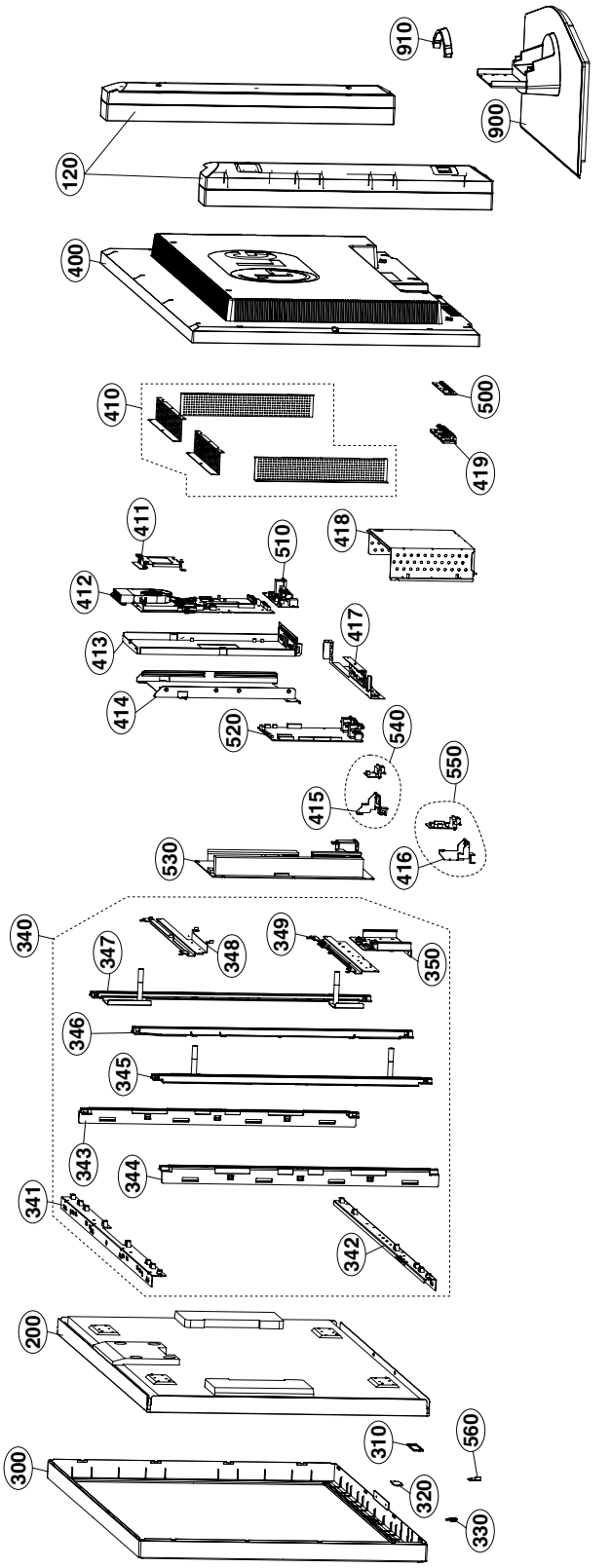
EXPLODED VIEW



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EXPLODED VIEW PARTS LIST

*** Note:** Safety mark ⚠

	No.	Part No.	Description
	120	EAB36438301	Speaker Assembly, M4210C speaker assy-**Option**
⚠	200	EAJ36709601	LCD,Module-TFT, LC420WX5-SLB1 WXGA 42INCH 1365X768 500CD COLOR 72% 16/9 800:1 0RT Pol. Public Display LG PHILIPS LCD
⚠	300	ABJ33529801	Cabinet Assembly, M4210C . 42" DMS FRONT MODULE
	310	EAV36674801	LED Assembly, BK-R7520B2W BK-R7520B2W BRIGHT LED WHITE 1 M4210C,M4210N Logo Back Light BRIGHT LED ELECTRONICS
	320	MFB36381601	Lens, MOLD PMMA SAMSUNG TECHWIN LENS M4210C M4210C LIGHTING LOGO LENS
	330	MFB36383901	Lens, MOLD PMMA SAMSUNG TECHWIN LENS M4210C IR LENS
	340	ADV33440101	Frame Assembly, M4210N . 42" M4210N frame assy for DMS
	341	MGJ36384701	Plate,Metal, PRESS EGI 0.8 METAL EGI M4210C METAL BAR TOP
	342	MGJ36384801	Plate,Metal, PRESS EGI 1.2 METAL EGI M4210C METAL BAR BOTTOM
	343	MGJ36384901	Plate,Metal, PRESS EGI 1.2 METAL EGI M4210C METAL BAR SIDE
	344	MGJ36384902	Plate,Metal, PRESS EGI 1.2 METAL EGI M4210C METAL BAR SIDE right
	345	MGJ32902505	Plate, PRESS EGI 1.2 FRAME SBHG-A M4210C METAL BAR RIGHT pemnut : 63.7mm
	346	MGJ32902706	Plate, PRESS EGI 1.2 FRAME SBHG-A M4210C METAL BAR CENTER('c'∫Œ 'd'∫Œ pem nut 'NO')
	347	MGJ32902603	Plate, PRESS EGI 1.2 FRAME SBHG-A M4210C metal bar left ('c'∫Œ pem-nut 63.7mm)
	348	MJH38363801	Supporter, PRESS SBHG 0.8 Supporter SBHG Supporter for PC Option Guide in M4210N
	349	MGJ32902904	Plate, PRESS EGI 1.2 FRAME SBHG-A METAL BAR SIDE BOTTOM FOR D2A/BCM
	350	MGJ36385001	Plate,Metal, PRESS EGI 2.0 SUPPORTER EGI M4210C STAND SUPPORTER
⚠	400	ACQ33530703	Cover Assembly,Rear, M4210N . 42" DMS BACK COVER MODULE, jungfrau chassis
	410	MGJ37837201	Plate,Shield, PRESS SBHG 0.8 SHIELD EGI M4210C shield for vent hole, EGI 0.8T
	411	MJH38361301	Supporter, PRESS SBHG 0.8 Supporter SBHG NoteBook HDD_Fix for M4210N
	412	EAZ38296701	HDD, ST980210A 2.5INCH 80.0GB PATA INNER 5400RPM SEAGATE
	413	MJH38359201	Supporter, PRESS SBHG 0.8 Supporter SBHG PC Option Tray for M4210N
	414	MJH38358901	Supporter, PRESS SBHG 0.8 Supporter SBHG M4210N PC Option Guide
	415	MGJ37836301	Plate,Metal, PRESS SBHG 1 METAL EGI M4210C speaker terminal bracket left, EGI 1T
	416	MGJ37836501	Plate,Metal, PRESS SBHG 1 METAL EGI M4210C speaker terminal bracket right, EGI 1T
	417	MGJ36391102	Plate,Shield, PRESS EGI 0.8 SHIELD EGI M4210N AV SHIELD for PC
	418	MGJ37884901	Plate,Shield, PRESS SBHG 1T METAL EGI M4210C POWER SHIELD, EGI 0.8T
	419	MEY36384601	Knob, MOLD ABS SUB 8 M4210C CONTROL KNOB
	500	EBR36105001	PCB Assembly, CONTROL T.T LW61A M4210C BAFE Narrow bezzel Control
	510	EBM36027201	LAN Card,USB, Q802XKG Q802XKG QCOM INTERFACE STANDARD IEEE802.11G 54M USB 2.0 WIRELESS MINI CARD QCOM TECHNOLOGY
	520	EBU37084101	Main Total Assembly, M4210N BRAND LM71A
⚠	530	EAY36736701	SMPS,AC/DC, FSP286-6F03 90VTO264V 286W 50/60 UL/CSA/VDE/CB etc.... FSP286-6F03 90VTO264V 286W 50/60 UL/CSA/VDE/CB etc.... LCD 42inch 3D MNT PSU SPI ELECTRONICS S
	540	EBR36353201	PCB Assembly, SUB T.T LW61A M4210C-BAFE AUSLLCX Speaker Board
	550	EBR36353202	PCB Assembly, SUB T.T LW61B M4210C-BAFE AUSLLCX Speaker Right Board with intergraing 10 Pin connector
	560	EBR36033101	Auto Insert PCB Assembly, MAIN T.T LW61A M4210C [eBAFE IR Board
⚠	900	ACQ30234007	Cover Assembly, M4210C . 42" M4210C stand assy-**Option**
	910	4810900107A	Bracket, COVER 37LC3 LP62A ABS, HF-380 CALBLE MANAGEMANET-**Option**

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REPLACEMENT PARTS LIST

DATE: 2007. 07. 20.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ACCESSORY
A1	MFL40717701	ManualPRINTING USER - BRAND M4210
A2	AKB33871404	Remote Controller AssemblyMFM PC
A3	EAD37992102	Power CordEAD37992102 LP-34A LS-6
A4	130-013B	"Battery,ManganeseR03(STC) 1.5V 1"
A5	6850TD9001K	"Cable,Assembly110-3528 D-SUB CONN"
A6	6850TD9008C	"Cable,AssemblyD-SUB CONNECTOR(M)"
A7	6852TAZ006J	"Cable,AssemblyKHC-LG-3-0010 STERE"
A8	6866TDV004J	"Cable,AssemblyDVI(FOXLINK) DVI CO"
A9	SAB31071001	S/W PackageM4210N EUROPE
		CAPACITORs
C1	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z16"
C1	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C100	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C101	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C102	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C103	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C104	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C105	0CK224CFG6A	"Capacitor,Ceramic,ChipC1608X7R224"
C106	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C107	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C108	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C109	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C110	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C111	0CK474DH56A	"Capacitor,Ceramic,ChipC2012X7R1E4"
C112	0CK224CFG6A	"Capacitor,Ceramic,ChipC1608X7R224"
C113	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C114	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C115	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C116	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
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C119	0CK474DH56A	"Capacitor,Ceramic,ChipC2012X7R1E4"
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C121	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C122	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C123	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C124	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C125	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C126	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C127	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C128	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C129	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
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C131	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C132	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
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C134	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
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C136	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
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C138	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C139	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C140	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C141	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C142	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C143	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C144	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C145	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C146	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C147	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C148	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C149	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C150	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C151	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C152	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C153	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C154	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C155	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C156	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C157	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C158	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C159	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C160	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C161	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C162	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C163	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C164	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C165	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C166	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C167	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C168	0CK106DC67A	"Capacitor,Ceramic,ChipJMK212JB106"
C169	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C170	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H2"
C171	0CC220CK41A	"Capacitor,Ceramic,ChipC1608C0G1H2"
C173	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C174	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C175	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C176	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C177	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C178	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C179	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C180	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C182	0CC151CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C183	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C2	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C201	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C202	0CC680CK41A	"Capacitor,Ceramic,ChipC1608C0G1H6"
C204	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C205	0CC680CK41A	"Capacitor,Ceramic,ChipC1608C0G1H6"
C206	0CC101CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C207	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C208	0CC101CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C209	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C210	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C211	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C212	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C213	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C214	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C215	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C216	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C217	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C218	0CH5101K416	"Capacitor,Ceramic,ChipC2012C0G1H1"
C219	0CK104DK56A	"Capacitor,Ceramic,Chip0805B104K50"
C220	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C221	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C222	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C223	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C224	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C225	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C226	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C254	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C3	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C300	0CK104DK56A	"Capacitor,Ceramic,Chip0805B104K50"
C301	0CK104DK56A	"Capacitor,Ceramic,Chip0805B104K50"
C302	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C303	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C304	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C305	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C306	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C307	0CH8106F691	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C308	0CE476WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC47M"
C309	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C310	0CK105DH56A	"Capacitor,Ceramic,ChipC2012X7R105"
C311	0CH8226F691	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C312	0CH2103K516	"Capacitor,Ceramic,Chip0805B103K50"
C313	0CH8106F691	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C314	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C315	0CK105DH56A	"Capacitor,Ceramic,ChipC2012X7R105"
C316	0CE476WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC47M"
C317	0CE476WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC47M"
C318	0CH2103K516	"Capacitor,Ceramic,Chip0805B103K50"
C319	0CH8226F691	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C320	0CH8226F691	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C321	0CH8106F691	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C322	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C323	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C4	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C400	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C402	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C403	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C405	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C406	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C407	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C409	0CK103CK51A	"Capacitor,Ceramic,Chip0603B103K50"
C410	0CE477WF6DC	"Capacitor,AL,ChipMVK10TP16VC470M"
C411	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C412	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C413	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C414	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C415	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C416	0CK103CK51A	"Capacitor,Ceramic,Chip0603B103K50"
C417	0CE477WF6DC	"Capacitor,AL,ChipMVK10TP16VC470M"
C418	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C419	0CE227WF6DC	"Capacitor,AL,ChipMVK8.0TP16VC220M"
C421	0CK103CK51A	"Capacitor,Ceramic,Chip0603B103K50"
C422	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C424	0CH2103K516	"Capacitor,Ceramic,Chip0805B103K50"
C425	0CE227WF6DC	"Capacitor,AL,ChipMVK8.0TP16VC220M"
C426	0CE227WF6DC	"Capacitor,AL,ChipMVK8.0TP16VC220M"
C427	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C428	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C429	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C430	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C431	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C432	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C433	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C434	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C435	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C436	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C437	0CH8226F691	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C438	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C439	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C440	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C441	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"
C442	0CE476WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC47M"
C500	0CH5030K116	"Capacitor,Ceramic,Chip0805N3R0D50"
C501	0CH5030K116	"Capacitor,Ceramic,Chip0805N3R0D50"
C502	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C503	0CK103CK51A	"Capacitor,Ceramic,Chip0603B103K50"
C504	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C505	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C506	0CC560CK41A	"Capacitor,Ceramic,ChipC1608C0G1H5"
C507	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C508	0CE335WK6D8	"Capacitor,AL,ChipMVK4.0TP50VC3.3M"
C509	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C510	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C511	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C512	0CK475DD56A	"Capacitor,Ceramic,ChipC2012X7R1A4"
C513	0CK475DD56A	"Capacitor,Ceramic,ChipC2012X7R1A4"
C514	0CK475DD56A	"Capacitor,Ceramic,ChipC2012X7R1A4"
C515	0CK475DD56A	"Capacitor,Ceramic,ChipC2012X7R1A4"
C516	0CE226WF6DC	"Capacitor,AL,ChipMVK5.0TP16VC22M"
C517	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C518	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C519	0CC101CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C522	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C523	0CE335WK6D8	"Capacitor,AL,ChipMVK4.0TP50VC3.3M"
C524	0CK471CK56A	"Capacitor,Ceramic,ChipC1608X7R1H4"
C526	0CE106WH6DC	"Capacitor,AL,ChipMVK5.0TP25VC10M"
C527	0CE106WH6DC	"Capacitor,AL,ChipMVK5.0TP25VC10M"
C528	0CE106WFKDC	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C529	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C530	0CE106WFKDC	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C531	0CC101CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C532	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C533	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C534	0CC102CK41A	"Capacitor,Ceramic,ChipC1608C0G1H1"
C535	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C536	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C537	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z16"
C538	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C539	0CE106WFKDC	"Capacitor,AL,ChipMVK4.0TP16VC10M"
C540	0CK223CK56A	"Capacitor,Ceramic,ChipUMK107JB223"
C541	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C542	0CE477BJ618	"Capacitor,AL,RadialESM477M035T1G5"
C543	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C544	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z16"
C545	0CK223CK56A	"Capacitor,Ceramic,ChipUMK107JB223"
C546	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z16"
C549	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C550	0CK223CK56A	"Capacitor,Ceramic,ChipUMK107JB223"
C551	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C552	0CK105CF94A	"Capacitor,Ceramic,Chip0603F105Z16"
C553	0CK223CK56A	"Capacitor,Ceramic,ChipUMK107JB223"
C554	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C555	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C556	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C557	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C558	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C559	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C560	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C561	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C562	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C563	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C564	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C565	0CK474EK66A	"Capacitor,Ceramic,ChipC3216X7R1H4"
C566	0CK474EK66A	"Capacitor,Ceramic,ChipC3216X7R1H4"
C567	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C568	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C569	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C570	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C571	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C572	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C573	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C574	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C575	0CC330CK41A	"Capacitor,Ceramic,ChipC1608C0G1H3"
C576	0CC330CK41A	"Capacitor,Ceramic,ChipC1608C0G1H3"
C577	0CE477BJ618	"Capacitor,AL,RadialESM477M035T1G5"
C578	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C579	0CK104CK56A	"Capacitor,Ceramic,Chip0603B104K50"
C580	0CC560CK41A	"Capacitor,Ceramic,ChipC1608C0G1H5"
C581	0CC560CK41A	"Capacitor,Ceramic,ChipC1608C0G1H5"
C582	0CE107WF6DC	"Capacitor,AL,ChipMVK6.3TP16VC100M"
C583	0CK103CK56A	"Capacitor,Ceramic,Chip0603B103K50"
C584	0CK102CK56A	"Capacitor,Ceramic,Chip0603B102K50"
C585	0CK105CD56A	"Capacitor,Ceramic,ChipC1608X7R1A1"

DIODEs

D201	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D204	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D205	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D207	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D208	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D209	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D210	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D211	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D212	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D213	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D214	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D215	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D216	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D217	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D218	0DSON00138A	"Diode,SchottkyMMBD301LT1G 600MV 3"
D219	0DSON00138A	"Diode,SchottkyMMBD301LT1G 600MV 3"
D220	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KE
D221	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KE
D222	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KE
D300	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KE
D301	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KE
D302	0DSON00138A	"Diode,SchottkyMMBD301LT1G 600MV 3"
D303	0DSON00138A	"Diode,SchottkyMMBD301LT1G 600MV 3"
D304	0DSON00138A	"Diode,SchottkyMMBD301LT1G 600MV 3"
D305	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D306	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D307	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
D400	0DS226009AA	"Diode,SwitchingKDS226 1.2V 85V 30"
ZD1	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD100	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A 3"
ZD100	0DZ910009FE	"Diode,ZenerUDZS9.1B 9.1V 8.85TO9."
ZD101	0DR050008AA	"Diode,TVSSD05.TC - 6V 14.5V 24A 3"
ZD2	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD200	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD201	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD202	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD203	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD205	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD207	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD211	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD212	0DZ560009GB	"Diode,ZenerBZT52C5V6S-(F) 5.6V 5."
ZD3	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ZD300	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD301	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD302	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD303	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD304	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD305	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD306	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD307	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD308	0DZ360009EB	"Diode,ZenerUDZS3.6B 3.6V 3.6TO3.8"
ZD309	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD310	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD322	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD4	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD400	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD5	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD500	0DZRM00248A	"Diode,ZenerRLZ8.2B 8.2V 7.78TO8.1"
ZD501	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD502	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD503	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD504	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
ZD6	0DZ560009DA	"Diode,ZenerUDZS5.6B 5.6V 5.49TO5."
		ICs
IC100	EAN37082101	IC AssemblyM4210N MICOM Assy'
IC101	0IKE704200H	"IC,Voltage DetectorKIA7042AP -0.3"
IC102	EAN31470703	"IC,Video ProcessorsGM5862H-LF-AA"
IC103	0IMMR00080A	"IC,SDRAMHY57V161610ETP-6 16MBIT 5"
IC104	0IMMR00080A	"IC,SDRAMHY57V161610ETP-6 16MBIT 5"
IC105	0IMMRSG036B	"IC,EEPROMM24C16-WMN6TP 16KBIT 2KX"
IC201	0IMMR00014A	"IC,EEPROMM24C02-RMN6TP 2KBIT 256X"
IC202	0IMMR00014A	"IC,EEPROMM24C02-RMN6TP 2KBIT 256X"
IC203	0ISTL00031A	IC AssemblyMC74HC4066ADR2G MC74HC
IC204	EAN30399701	"IC,Analog SwitchPI3HDMI412FTBEX 1"
IC300	0IPRP00009A	"IC,Tx/RxICL3232CBNZ 3VTO5.5V - SS"
IC301	0IPRPAD024A	"IC,OP AmplifierAD8009JRTZ +-5TO+-"
IC303	0IKE358000P	"IC,OP AmplifierKIA358F 3TO36V_+-1"
IC304	0IPRPAD024A	"IC,OP AmplifierAD8009JRTZ +-5TO+-"
IC305	0IPRPAD024A	"IC,OP AmplifierAD8009JRTZ +-5TO+-"
IC400	0IPMGA0010A	"IC,LDO Voltage RegulatorAZ1117H-3"
IC401	0IPMG00028A	"IC,LDO Voltage RegulatorAZ1117H-1"
IC403	0IPMGKE036A	"IC,LDO Voltage RegulatorKIA78DL09"
IC404	0IPMGSG016A	"IC,LDO Voltage RegulatorLD1086D2T"
IC500	0IMCRMN028E	"IC,Sound/Audio ProcessorMSP4450K-"
IC501	EAN32404601	"IC,Audio AmplifierNTP3000 7TO30V"
		FILTERs & INDUCTORs
L1	6210TCE001H	"Filter,BeadHB-1T2012-301JT(H:1mm)"
L1	6210TCE001H	"Filter,BeadHB-1T2012-301JT(H:1mm)"
L100	6210TCE0013	"Filter,BeadHB-1M1608-121JT 120OHM"
L101	6210TCE0013	"Filter,BeadHB-1M1608-121JT 120OHM"
L2	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L3	6210TCE001H	"Filter,BeadHB-1T2012-301JT(H:1mm)"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L300	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L301	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L302	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L4	6210TCE001H	"Filter,BeadHB-1T2012-301JT(H:1mm)"
L402	6210TCE001Y	"Filter,BeadHB-1H2012-320JT 32OHM"
L403	6210TCE001Y	"Filter,BeadHB-1H2012-320JT 32OHM"
L404	6210TCE001Y	"Filter,BeadHB-1H2012-320JT 32OHM"
L406	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L407	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L408	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L409	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L410	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L411	6210TCE001H	"Filter,BeadHB-1T2012-301JT(H:1mm)"
L500	6200J000013	"Filter,BeadMLB-321611-0500P-N2 50"
L501	6200J000013	"Filter,BeadMLB-321611-0500P-N2 50"
L502	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM 2"
L503	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM 2"
L504	6200J00005N	"Filter,BeadHH-1M2012-121JT(H:1mm)"
L505	6200J00005N	"Filter,BeadHH-1M2012-121JT(H:1mm)"
L506	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM 2"
L507	6210TCE001A	"Filter,BeadHB-1S2012-080JT 8OHM 2"
L512	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm)"
L513	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm)"
L514	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm)"
L515	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm)"
L516	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OHM"
L508	EAP32842806	"Inductor,Wire Wound,ChipNR8040T22"
L509	EAP32842806	"Inductor,Wire Wound,ChipNR8040T22"
L510	EAP32842806	"Inductor,Wire Wound,ChipNR8040T22"
L511	EAP32842806	"Inductor,Wire Wound,ChipNR8040T22"
		TRANSISTORs & FETs
Q100	0TRDI80002A	"TR,BipolarMMBT3904-(F) NPN 6V 60V"
Q101	0TR162309CA	"TR,BipolarKSC1623-Y(MTF) NPN 5V 6"
Q101	0TR102009AJ	"TR,BipolarKRC102S NPN 30V 0V 50V"
Q102	0TR162309CA	"TR,BipolarKSC1623-Y(MTF) NPN 5V 6"
Q102	0TR102009AJ	"TR,BipolarKRC102S NPN 30V 0V 50V"
Q103	0TR162309CA	"TR,BipolarKSC1623-Y(MTF) NPN 5V 6"
Q104	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q105	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q106	0TR390609FA	"TR,BipolarKST3906-MTF PNP -5V -40"
Q200	0TRDI80002A	"TR,BipolarMMBT3904-(F) NPN 6V 60V"
Q301	0TR102009AJ	"TR,BipolarKRC102S NPN 30V 0V 50V"
Q302	0TR102009AJ	"TR,BipolarKRC102S NPN 30V 0V 50V"
Q404	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q405	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q406	0TR390609FA	"TR,BipolarKST3906-MTF PNP -5V -40"
Q408	0TR390409AE	"TR,BipolarKST3904 NPN 6V 60V 40V"
Q409	0TR390409AE	"TR,BipolarKST3904 NPN 6V 60V 40V"
Q414	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q508	0TR162309CA	"TR,BipolarKSC1623-Y(MTF) NPN 5V 6"
Q509	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q510	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
Q514	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 60"
Q103	0TFIR80016B	"FET,ArrayIRF7342TRPBF P-CHANNEL -"
Q107	0TFFC80009A	"FET,ArrayFDC6326L N/P-CHANNEL 20V"
Q303	0TFIR80016B	"FET,ArrayIRF7342TRPBF P-CHANNEL -"
Q407	0TFFC80009A	"FET,ArrayFDC6326L N/P-CHANNEL 20V"
Q511	0TR830009BA	FETBSS83 N-CHANNEL MOSFET 10V 2 5
Q512	0TR830009BA	FETBSS83 N-CHANNEL MOSFET 10V 2 5
Q513	0TFVI80067A	FETSI3865BDV(E3) N-CHANNEL MOSFET
		RESISTORs
R1	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R1	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R101	0RJ1200D677	"Resistor,ChipMCR03EZPJ121 120OHM"
R101	0RH1302D622	"Resistor,ChipMCR10EZHJ133 13KOHM"
R102	0RH0202D622	"Resistor,ChipMCR10EZHJ200 20OHM 5"
R102	0RH4701D622	"Resistor,ChipMCR10EZHJ472 4.7KOHM"
R103	0RH1501D622	"Resistor,ChipMCR10EZHJ152 1.5KOHM"
R103	0RH0202D622	"Resistor,ChipMCR10EZHJ200 20OHM 5"
R104	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5%"
R104	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R105	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R105	0RH1302D622	"Resistor,ChipMCR10EZHJ133 13KOHM"
R106	0RH4701D622	"Resistor,ChipMCR10EZHJ472 4.7KOHM"
R106	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R107	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R107	0RH1501D622	"Resistor,ChipMCR10EZHJ152 1.5KOHM"
R108	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5%"
R108	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R109	0RJ0562D677	"Resistor,ChipMCR03EZPJ560 56OHM 5"
R110	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"
R111	0RJ0562D677	"Resistor,ChipMCR03EZPJ560 56OHM 5"
R112	0RJ0562D677	"Resistor,ChipMCR03EZPJ560 56OHM 5"
R114	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R115	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R116	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R117	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R118	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R121	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R122	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R124	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R124	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R125	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R126	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R127	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R128	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R129	0RJ2400D677	"Resistor,ChipMCR03EZPJ241 240OHM"
R130	0RJ2702D677	"Resistor,ChipMCR03EZPJ273 27KOHM"
R131	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R132	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R133	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R134	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R135	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R147	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R148	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R149	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R150	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R151	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R152	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R154	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R155	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R156	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R156	0RJ1201D677	"Resistor,ChipMCR03EZPJ122 1.2KOHM"
R157	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R158	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R159	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R160	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R161	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R162	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R163	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R164	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R165	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R166	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R167	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM 5"
R168	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM 5"
R169	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R170	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R177	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R178	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R179	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R180	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R181	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R182	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R188	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R189	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R191	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R192	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R193	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R194	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R195	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R196	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R197	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R198	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R2	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R2	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R200	0RJ3001D677	"Resistor,ChipMCR03EZPJ302 3KOHM 5"
R203	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R204	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"
R205	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM 5"
R206	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM 5"
R207	0RJ0752D677	"Resistor,ChipMCR03EZPJ750 75OHM 5"
R210	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R211	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R212	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R213	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R214	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R215	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R216	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R217	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"
R218	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R219	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R220	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R221	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R222	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R225	0RJ0472D677	"Resistor,ChipMCR03EZPJ470 47OHM 5"
R226	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R227	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R228	0RJ0472D677	"Resistor,ChipMCR03EZPJ470 47OHM 5"
R229	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R230	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R231	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R232	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R233	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R234	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R235	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R236	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R237	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R238	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R239	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R240	0RJ0332D677	"Resistor,ChipMCR03EZPJ330 33OHM 5"
R241	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R242	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R243	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R244	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R245	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R246	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R247	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R248	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R249	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R250	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R251	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R252	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R253	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R254	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R255	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R256	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R257	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R258	0RJ2000D677	"Resistor,ChipMCR03EZPJ201 200OHM"
R259	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R260	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R261	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R262	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R263	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R264	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R265	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R266	0RJ0102D677	"Resistor,ChipMCR03EZPJ100 10OHM 5"
R267	0RJ1501D677	"Resistor,ChipMCR03EZPJ152 1.5KOHM"
R268	0RJ3301D677	"Resistor,ChipMCR03EZPJ332 3.3KOHM"
R269	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOHM"
R270	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM 5"
R271	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM 5"
R272	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM 5"
R273	0RJ0682D677	"Resistor,ChipMCR03EZPJ680 68OHM 5"
R286	0RJ0271D677	"Resistor,ChipMCR03EZPJ2R7 2.7OHM"
R287	0RJ0271D677	"Resistor,ChipMCR03EZPJ2R7 2.7OHM"
R288	0RJ0271D677	"Resistor,ChipMCR03EZPJ2R7 2.7OHM"
R3	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R3	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R300	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R301	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R302	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R305	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R306	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R307	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R308	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R309	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R310	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R311	0RJ2001D677	"Resistor,ChipMCR03EZPJ202 2KOHM 5"
R312	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R313	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R314	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R315	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R316	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R317	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R318	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R319	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R320	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R321	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R322	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R323	0RJ1201D677	"Resistor,ChipMCR03EZPJ122 1.2KOHM"
R324	0RJ0752D477	"Resistor,ChipMCR03EZPF750 75OHM 1"
R325	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R326	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R327	0RJ3300D477	"Resistor,ChipMCR03EZPF331 330OHM"
R328	0RJ3300D477	"Resistor,ChipMCR03EZPF331 330OHM"
R329	0RJ6801D477	"Resistor,ChipMCR03EZPF682 6.8KOHM"
R330	0RH1000D622	"Resistor,ChipMCR10EZHJ101 100OHM"
R331	0RJ3901D477	"Resistor,ChipMCR03EZPF392 3.9KOHM"
R332	0RJ0752D477	"Resistor,ChipMCR03EZPF750 75OHM 1"
R333	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R334	0RJ1201D677	"Resistor,ChipMCR03EZPJ122 1.2KOHM"
R335	0RJ0752D477	"Resistor,ChipMCR03EZPF750 75OHM 1"
R336	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R337	0RJ1201D677	"Resistor,ChipMCR03EZPJ122 1.2KOHM"
R338	0RJ3300D477	"Resistor,ChipMCR03EZPF331 330OHM"
R339	0RJ3300D477	"Resistor,ChipMCR03EZPF331 330OHM"
R340	0RJ3300D477	"Resistor,ChipMCR03EZPF331 330OHM"
R341	0RJ3300D477	"Resistor,ChipMCR03EZPF331 330OHM"
R342	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R343	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R344	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R345	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R4	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R400	0RJ2201D677	"Resistor,ChipMCR03EZPJ222 2.2KOHM"
R401	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R402	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R403	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R404	0RH1600D622	"Resistor,ChipMCR10EZHJ161 160OHM"
R405	0RH1600D622	"Resistor,ChipMCR10EZHJ161 160OHM"
R409	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R410	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R411	0RX0471K668	"Resistor,Metal Oxide FilmRS02AO4R"
R412	0RX0471K668	"Resistor,Metal Oxide FilmRS02AO4R"
R413	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R414	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R415	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R416	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R417	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R418	0RJ5600D677	"Resistor,ChipMCR03EZPJ561 560OHM"
R419	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R421	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R422	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R423	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5%"
R424	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R425	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R427	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R428	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R432	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R433	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R434	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R435	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R436	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R437	0RJ6200D677	"Resistor,ChipMCR03EZPJ621 620OHM"
R437	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R438	0RJ6200D677	"Resistor,ChipMCR03EZPJ621 620OHM"
R438	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R439	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R440	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R455	0RH0000D622	"Resistor,ChipMCR10EZHJ000 0OHM 5%"
R456	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R457	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R458	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R480	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R481	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R482	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R50	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R500	0RJ0432D677	"Resistor,ChipMCR03EZPJ430 43OHM 5"
R501	0RJ0432D677	"Resistor,ChipMCR03EZPJ430 43OHM 5"
R504	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R505	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R506	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R507	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R508	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R509	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOHM"
R51	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R510	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOHM"
R511	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R512	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R513	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R515	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R516	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R517	0RJ3301D677	"Resistor,ChipMCR03EZPJ332 3.3KOHM"
R518	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R519	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R52	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R520	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R521	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R522	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R523	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R524	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOHM"
R525	0RJ2203D677	"Resistor,ChipMCR03EZPJ224 220KOHM"
R526	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R527	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R528	0RJ0331D677	"Resistor,ChipMCR03EZPJ3R3 3.3OHM"
R529	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R530	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R531	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R532	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R533	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R534	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R535	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R536	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R537	0RJ0561D677	"Resistor,ChipMCR03EZPJ5R6 5.6OHM"
R538	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R539	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R540	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R541	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R542	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R543	0RJ1000D677	"Resistor,ChipMCR03EZPJ101 100OHM"
R544	0RJ0331D677	"Resistor,ChipMCR03EZPJ3R3 3.3OHM"
R545	0RJ0331D677	"Resistor,ChipMCR03EZPJ3R3 3.3OHM"
R546	0RJ0331D677	"Resistor,ChipMCR03EZPJ3R3 3.3OHM"
R547	0RJ0331D677	"Resistor,ChipMCR03EZPJ3R3 3.3OHM"
R548	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R549	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R55	0RJ3001D677	"Resistor,ChipMCR03EZPJ302 3KOHM 5"
R550	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R551	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R552	0RJ0222D677	"Resistor,ChipMCR03EZPJ220 22OHM 5"
R553	0RJ3302D677	"Resistor,ChipMCR03EZPJ333 33KOHM"
R554	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R557	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R558	0RJ4701D677	"Resistor,ChipMCR03EZPJ472 4.7KOHM"
R559	0RJ0331D677	"Resistor,ChipMCR03EZPJ3R3 3.3OHM"
R56	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"
R561	0RJ5600D677	"Resistor,ChipMCR03EZPJ561 560OHM"
R562	0RH1501D622	"Resistor,ChipMCR10EZHJ152 1.5KOHM"
R563	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R564	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R565	0RJ1002D677	"Resistor,ChipMCR03EZPJ103 10KOHM"
R567	0RJ0000D677	"Resistor,ChipMCR03EZPJ000 0OHM 5%"
R568	0RJ2202D677	"Resistor,ChipMCR03EZPJ223 22KOHM"
R569	0RJ1001D677	"Resistor,ChipMCR03EZPJ102 1KOHM 5"
R57	0RJ4700D677	"Resistor,ChipMCR03EZPJ471 470OHM"

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LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
RA136	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA137	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA138	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA139	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA140	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA141	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA142	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA143	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA144	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA145	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
RA146	0RJ0222C687	"Resistor,ArrayRCA86TRJ22R0 22OHM"
CONNECTORs		
C1	EAD37197601	"Harness,Single5P (BOARD IN) SMH20"
C10	6631900027C	"Harness,SingleSMH250 SMH250 200mM"
C11	6631900065B	"Harness,SingleSMH250 SMH250 200mM"
C12	EAD37265401	"Harness,SingleLVDS_31_twist rev."
C13	EAD37523101	"Harness,Single28P(1:1 Harness)_60"
C14	EAD37523102	"Harness,Single28P(1:1 Harness)_50"
C2	6631900048A	"Harness,SingleSMH200-4P SMH200-4P"
C3	6631900049G	"Harness,Single14P(INVERTER)_14(RE"
C4	6631T11020Z	"Cable,AssemblyA9110994 FI-X30HL H"
C5	6631T20041B	"Harness,Single12P-12P(PHR) PHR-12"
C6	6631T25025G	"Harness,Single2P SPK CONNECTOR AS"
C7	EAD36184801	"Harness,SingleSMH250 SMH250 400MM"
C8	6631900063C	"Harness,SingleSMH200-10 SMH200-10"
C9	6631900012C	"Harness,SingleSMH250 SMH250 200mM"
J1	6612J00033D	"Connector,TerminalPST022-12 2P SP"
J1	6612J00033D	"Connector,TerminalPST022-12 2P SP"
J200	6630TGA005B	"Connector,DSUBQH11121-DN0-D DVI 2"
J201	6630G00004A	"Connector,DSUBKCN-DS-0-0091 D-SUB"
J202	6602T12007D	"Connector,WaferGT121-31P-TD-A-E10"
J300	6630GY00709	"Connector,DSUBKCN-DS-0-0077(18P 2"
J302	6630V091112	"Connector,WaferB12B-PASK(LF) 12P"
J400	6602T25008J	"Connector,WaferSMW250-10P 10P 2.5"
J401	6602T25008M	"Connector,WaferSMW250-13P 13P 2.5"
J402	6602T25008L	"Connector,WaferSMW250-12P 12P 2.5"
J406	6630V90116A	"Connector,WaferFI-X30SSL-HF 30P 1"
J407	6630V93270A	"Connector,WaferFI-RE51S-HFK-A 51P"
J410	6602T20008J	"Connector,WaferSMW200-10P 10P 2.0"
J514	6602T12004B	"Connector,Wafer12505WS-03A00 3P 1"
J515	6630V90219A	"Connector,WaferSMW200-28C 28P 2.0"
J516	6630V90219A	"Connector,WaferSMW200-28C 28P 2.0"
J517	6602T25008A	"Connector,WaferSMW250-02P 2P 2.50"
J518	6602T25008B	"Connector,WaferSMW250-03P 3P 2.50"
P1	6602T25008A	"Connector,WaferSMW250-02P 2P 2.50"
P1	6602T25008B	"Connector,WaferSMW250-03P 3P 2.50"
P101	6602T20009C	"Connector,WaferSMAW200-04P 4P 2.0"
P2	6602T20008C	"Connector,WaferSMW200-04P 4P 2.00"
P3	6630VJ01802	"Connector,Wafer15001WR-02A00 2P 1"
P4	6602T20009D	"Connector,WaferSMAW200-05P 5P 2.0"
P5	6602T20008J	"Connector,WaferSMW200-10P 10P 2.0"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
JACKs		
J100	6612F00087B	"Jack,PhoneKJA-PH-0-0104 1P 3P ANG"
J303	6612F00087B	"Jack,PhoneKJA-PH-0-0104 1P 3P ANG"
J501	6612F00059C	"Jack,PhoneKJA-SHS360LB 1P 3P ANGL"
SWITCHs		
SW101	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW102	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW103	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW104	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW105	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW106	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW107	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
SW108	140-058E	"Switch,TactTHVV502GBC 1C1P 12VDC"
OTHERs		
B1	3890900400A	BoxBOX SW 376 286 50 1 COLOR ACCE
B2	MAY32943852	BoxBOX DW 1050 180 349 NO PRINTIN
B3	MAY37461301	BoxBOX DW 1066 756 369 2 COLOR M4
D1	0DLBE0248AA	"LED,ChipBL-HB5KC39C-TRB BLUE-YELL"
D2	0DLBE0248AA	"LED,ChipBL-HB5KC39C-TRB BLUE-YELL"
IC1	EAV37989901	Receiver ModuleKSM-503M2E 2.7V ~
IC302	0IPRPNS030A	"Sensor,TemperatureLM35DZ,NOPB 35V"
P1	3918TKK038L	PackingCOMPLEX LS71K_LS81K FOR SO
P2	3920900086H	"PackingMOLD EPS 42LC2,42LC3 Witho"
P3	MFZ36448801	PackingMOLD EPS M4201C_Nerrow Bez
X100	6212AA2004F	CrystalHC-49/U 14.31818MHZ 30PPM(
X101	156-A02R	CrystalEUA18.4320F16E33L 18.432MH

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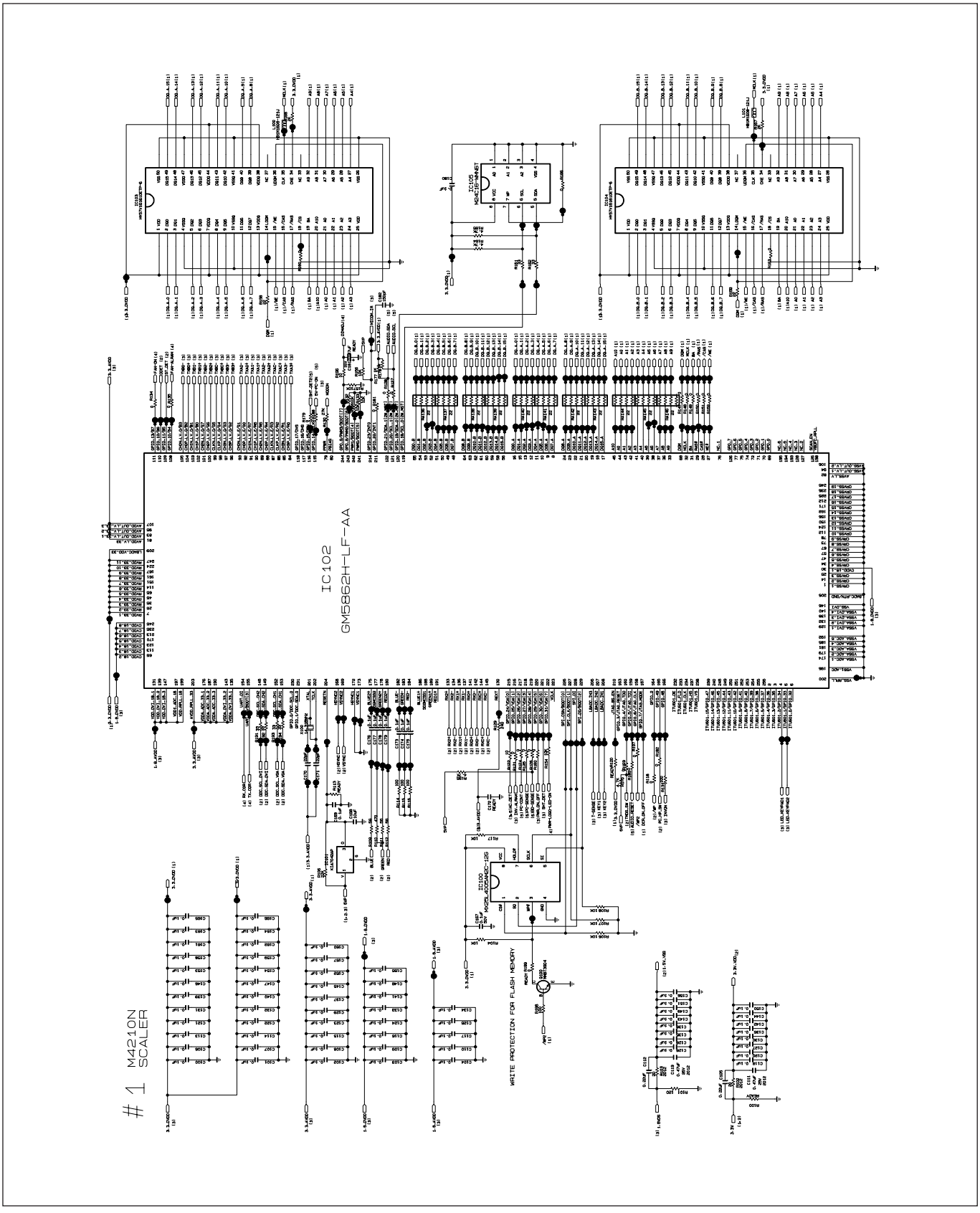
SCHEMATIC DIAGRAM

1. SCALER



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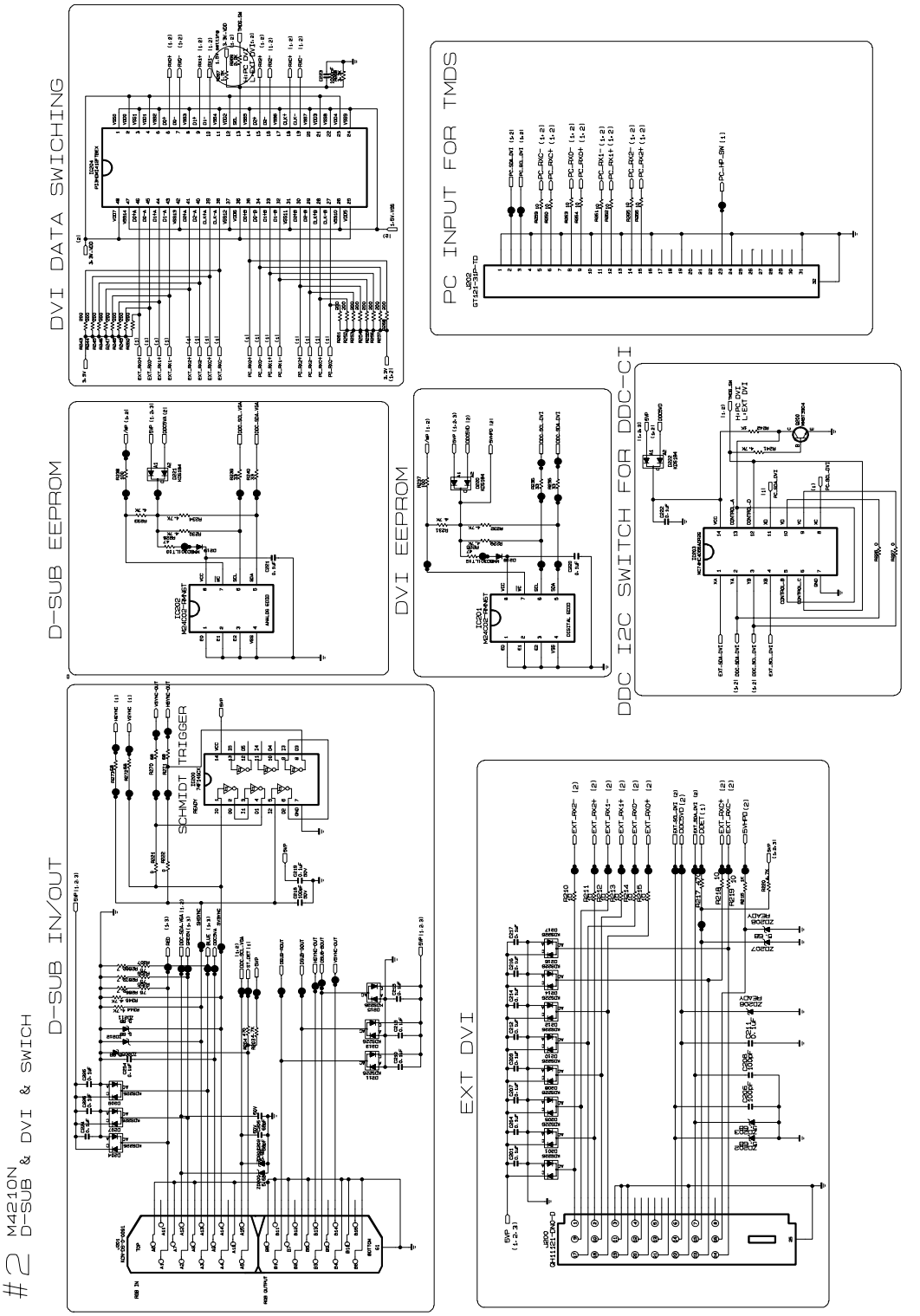
2. D-SUB & DVI & SWICH



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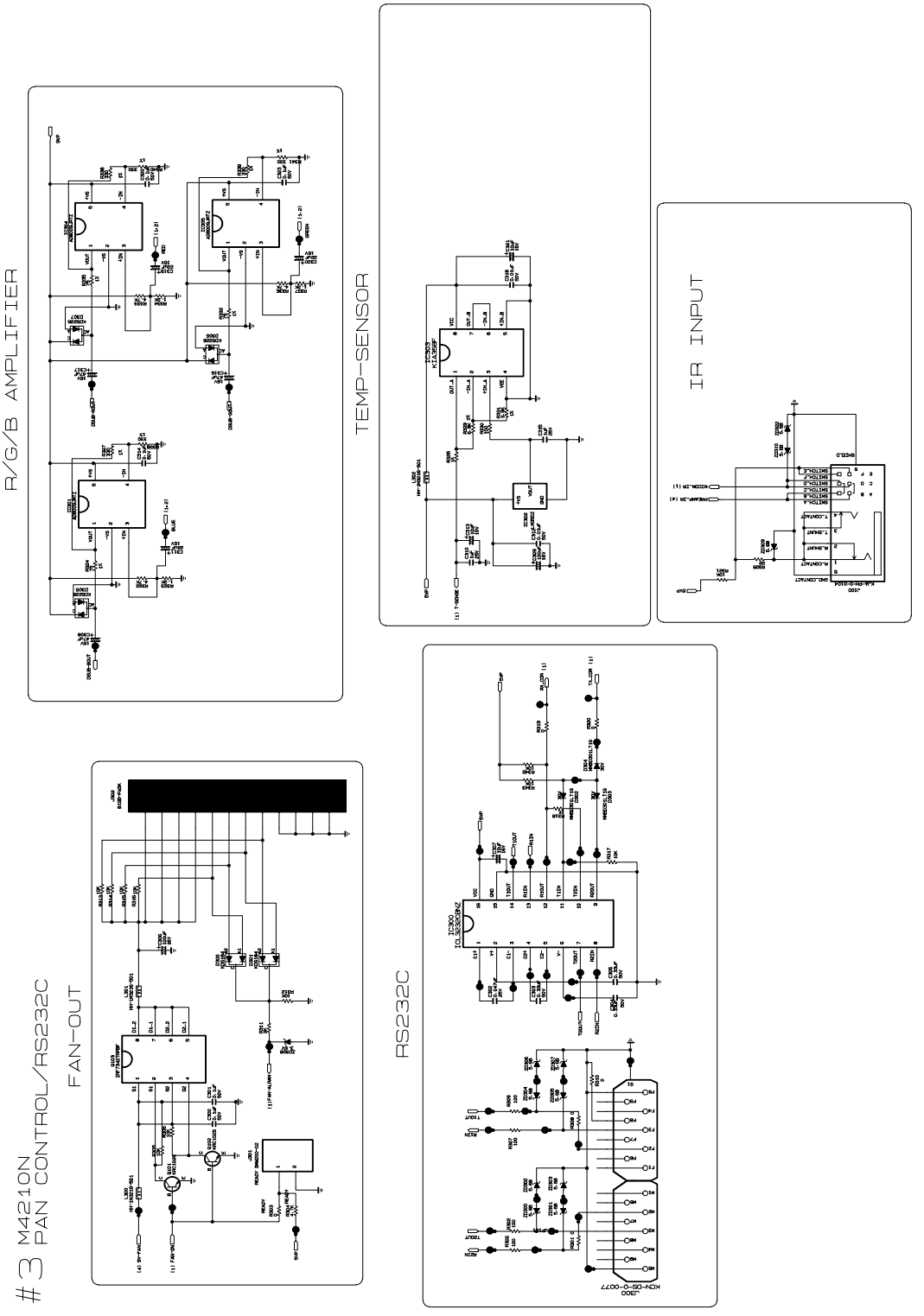
3. FAN CONTROL / RS232C



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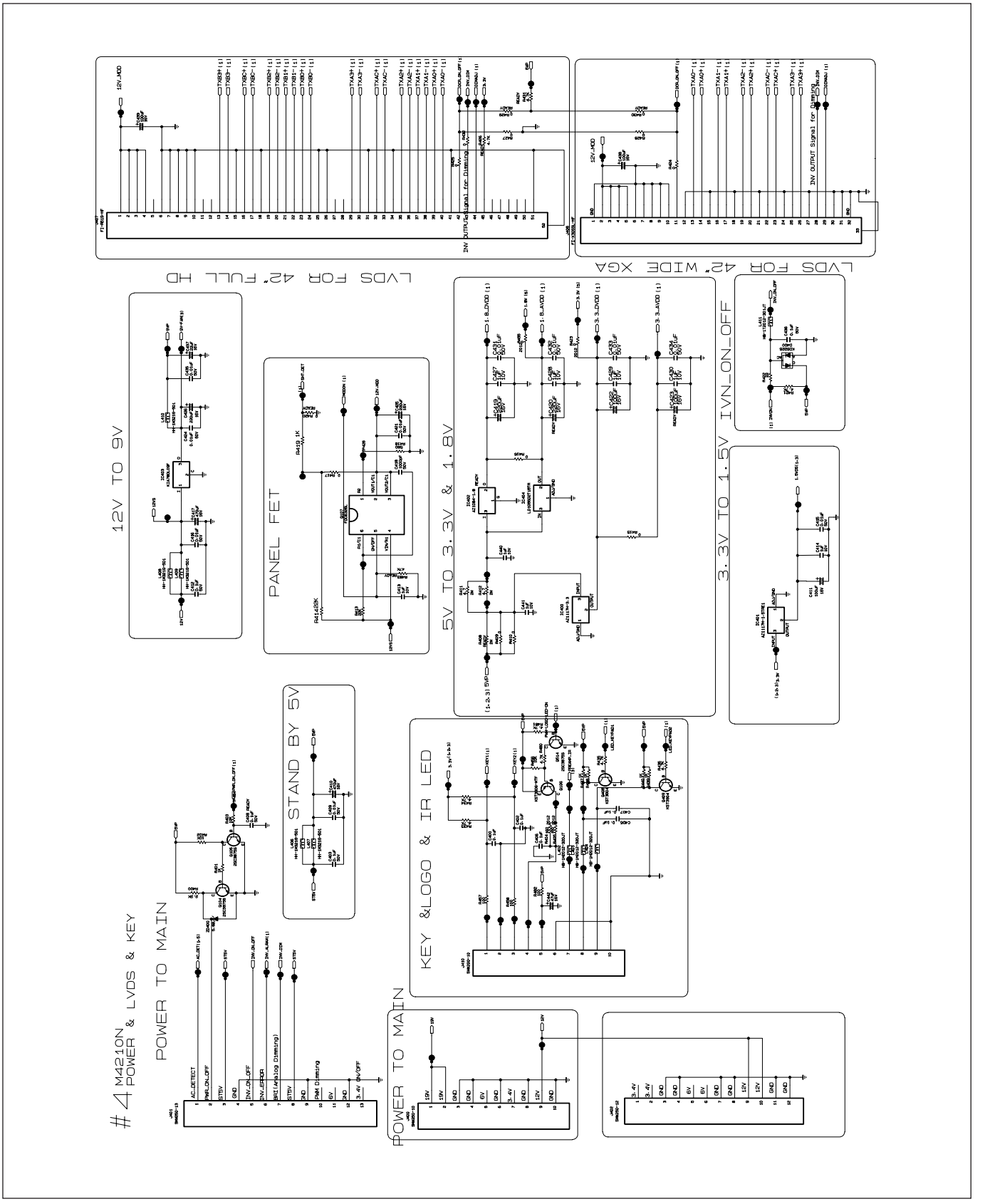
4. POWER & LVDS & KEY



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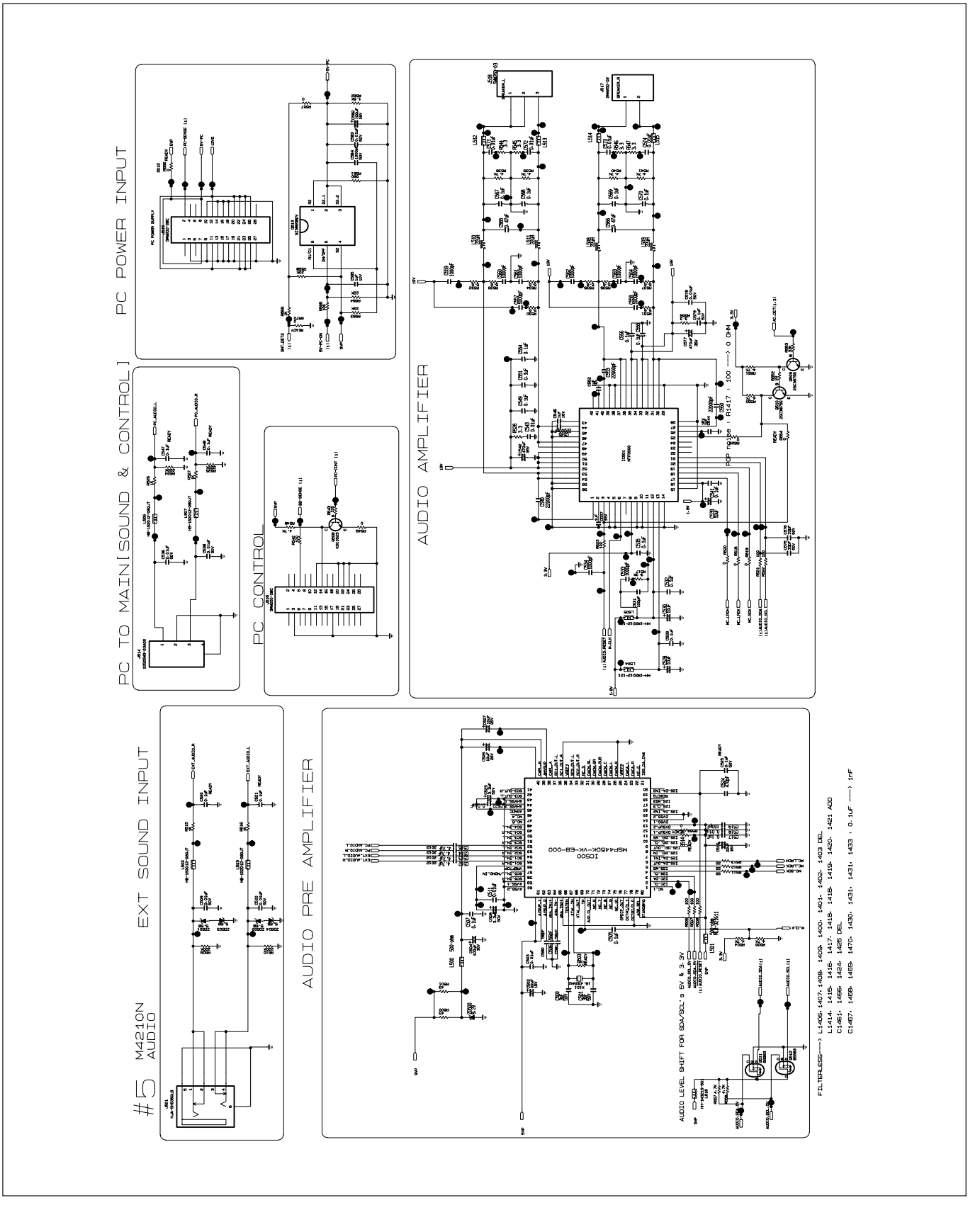
5. AUDIO


#5 M4210N AUDIO
EXT SOUND INPUT
PC TO MAIN(SOUND & CONTROL)
PC POWER INPUT
PC CONTROL
AUDIO AMPLIFIER
AUDIO PRE AMPLIFIER
AUDIO LEVEL SHIFT FOR SDA/SCL 5V & 3.3V
FILTERLESS ----> L1406 1407 1408 1409 1400 1401 1402 1403 DEL
L1414 1415 1416 1417 1418 1419 1420 1421 ADD
C1461 1466 1424 1425 DEL
C1467 1468 1469 1470 1430 1431 1433 0.1uF ----> 1nF

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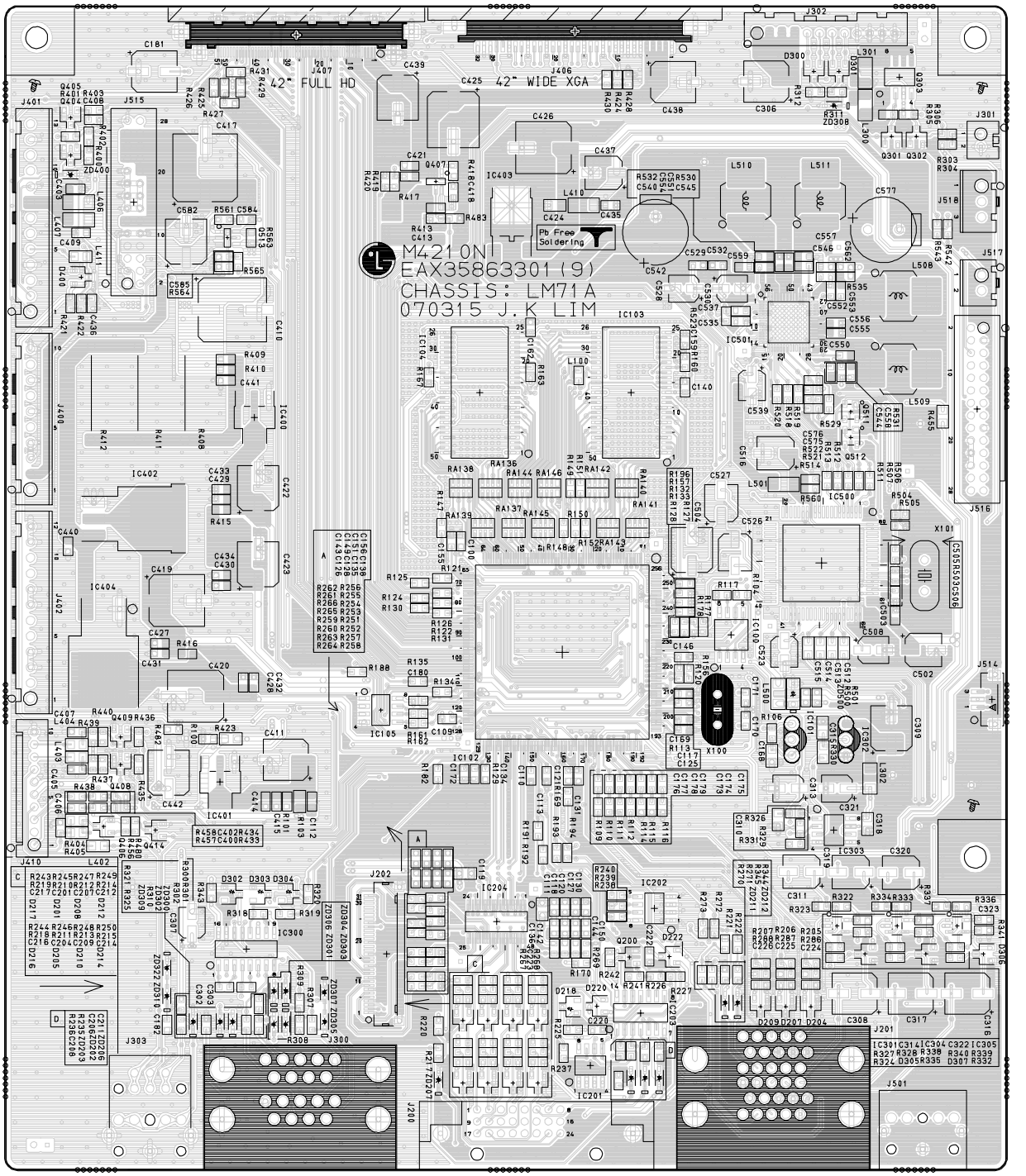
PRINTED CIRCUIT BOARD

MAIN (TOP)



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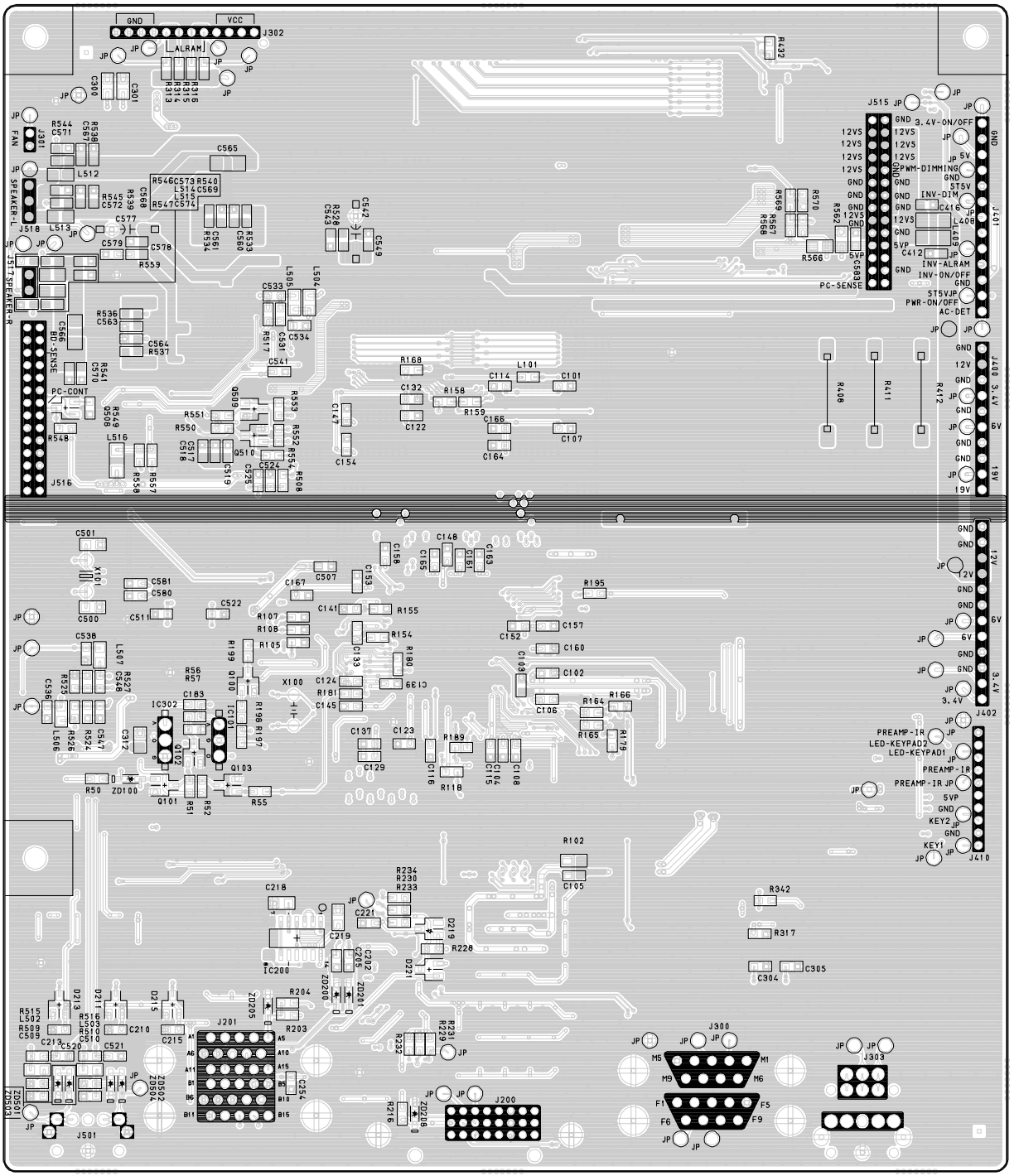
MAIN (BOTTOM)



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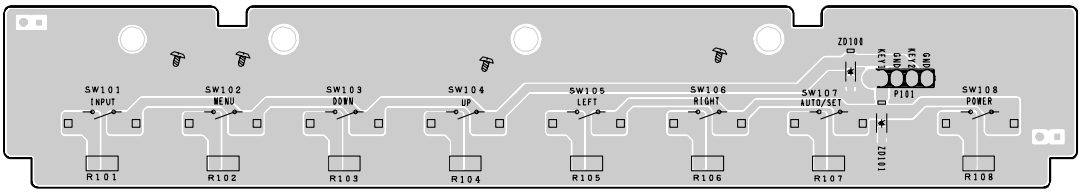
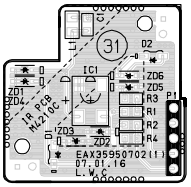
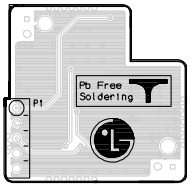
CONTROL



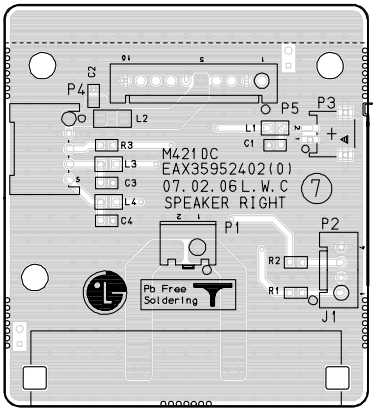
IR BOARD (TOP)



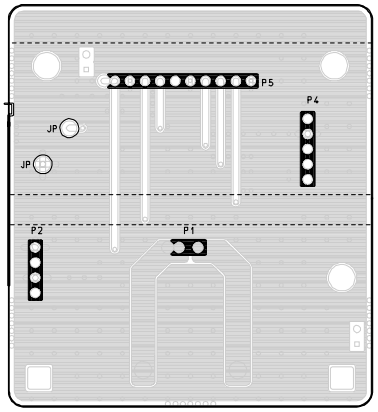
IR BOARD (BOTTOM)



SPEAKER RIGHT BOARD (TOP)



SPEAKER RIGHT BOARD (BOTTOM)



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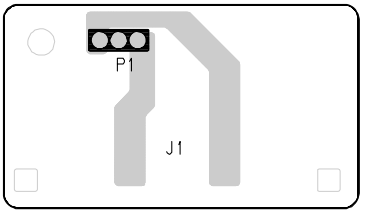
SPEAKER BOARD



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